

DIODES AND RECTIFIERS SOLUTIONS FOR AEROSPACE AND DEFENSE

Selector Guide

FEATURED PRODUCTS

- Standard and fast recovery rectifiers
- Ultrafast recovery rectifiers, including FRED Pt®
- Schottky rectifiers, including TMBS®
- TVS (Transient Voltage Suppressor)
- ESD protection
- Zener diodes

PACKAGE OPTIONS:

- Wide range of eSMP® package series
- Conventional surface-mount package

RESOURCES

- For technical support, contact DiodesAmericas@vishay.com, DiodesAsia@vishay.com, DiodesEurope@vishay.com
- For further information, visit <https://www.vishay.com/en/diodes/>





The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

AUTOMOTIVE DIODES AND RECTIFIERS FOR AEROSPACE AND DEFENSE APPLICATIONS

Vishay's diodes and rectifiers are the trusted choice for avionics, defense, and space systems requiring not only high performance in extreme environments but also unmatched reliability, rugged process, and package design. The parts are available from production outside China.

Designed for excellence, Vishay provides one of the most comprehensive ranges of diodes—offering exceptional performance, durability, and reliability for advanced aerospace and defense applications.

Our lineup includes rectifiers, protection diodes, and zener diodes, all built to meet the rigorous demands of cutting-edge systems. Each innovation in our portfolio is supported by Vishay's own automotive grade standard—ensuring that every product is engineered from the ground up to endure the harshest automotive environments.

All these technologies are available in various packaging options. In particular, the new eSMP® offers high current capability in small packages with better thermal performance compared to traditional SMD packages.

Value Propositions

High Performance Silicon Processes

- For various aerospace and defense / automotive applications, silicon-based technology delivers high performance.
- High temperature operation up to +175 °C, TVS up to +185 °C

Designed for High Reliability, High Quality, and Continuous Improvement

- Compliance to the AEC-Q101 standard
- Designed for robustness to meet or exceed requirements and conditions of aerospace and defense / automotive applications
- Continuous improvement mindset

Broad Package Selection for Higher Power Density

- Wide variety of surface-mount packages, including the low profile eSMP® series



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

TABLE OF CONTENTS

Power Rectifiers

Standard and Fast Recovery	4
Ultrafast Recovery	8
Schottky	10

Protection Diodes

TVS.....	13
ESD	22

Zener Diodes.....	24
-------------------	----



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Power Rectifiers >> Standard and Fast Rectifiers



Standard and fast recovery rectifiers with ESD capability and low forward voltage are available in a wide range of surface-mount packages, including the eSMP® series. A controlled 20 mJ avalanche capability is available as well.

Part Number	Rev. Voltage (V)	$I_{F(AV)}$ (A)	V_F at I_F (V)	I_{FSM} (A)	t_{rr} (ns)	T_J Max. (°C)	Circuit Configuration	Package (JEDEC®) Code	Availability of Production Outside China
Standard Rectifiers with ESD Capability									
MSE07PBHM3	100	0.7	0.83	20	780	175	Single	MicroSMP (DO-219AD)	Yes
MSE1PBHM3	100	0.7	0.83	20	780	175	Single	MicroSMP (DO-219AD)	Yes
MSX1PBHM3	100	1	0.9	18	960	175	Single	MicroSMP (DO-219AD)	Yes
SE10PBHM3	100	1	0.86	25	780	175	Single	SMP (DO-220AA)	Yes
SE15PBHM3	100	1.5	0.868	30	900	175	Single	SMP (DO-220AA)	Yes
SE20PBHM3	100	2	0.85	32	1200	175	Single	SMP (DO-220AA)	Yes
SE40PBHM3_A	100	4	0.91	60	2200	175	Single	SMPC (TO-277A)	Yes
SE70PBHM3_A	100	7	0.87	120	2600	175	Single	SMPC (TO-277A)	Yes
MSE07PDHM3	200	0.7	0.83	20	780	175	Single	MicroSMP (DO-219AD)	Yes
MSE1PDHM3	200	0.7	0.83	20	780	175	Single	MicroSMP (DO-219AD)	Yes
MSX1PDHM3	200	1	0.9	18	960	175	Single	MicroSMP (DO-219AD)	Yes
SE10FDHM3	200	1	0.85	25	780	175	Single	SMF (DO-219AB)	Yes
SE10PDHM3	200	1	0.86	25	780	175	Single	SMP (DO-220AA)	Yes
SE15FDHM3	200	1.5	0.86	30	900	175	Single	SMF (DO-219AB)	Yes
SE15PDHM3	200	1.5	0.868	30	900	175	Single	SMP (DO-220AA)	Yes
SE20FDHM3	200	2	0.85	35	920	175	Single	SMF (DO-219AB)	Yes
SE20PDHM3	200	2	0.85	32	1200	175	Single	SMP (DO-220AA)	Yes
SE40PDHM3_A	200	4	0.91	60	2200	175	Single	SMPC (TO-277A)	Yes
SE70PDHM3_A	200	7	0.87	120	2600	175	Single	SMPC (TO-277A)	Yes
MSE07PGHM3	400	0.7	0.83	20	780	175	Single	MicroSMP (DO-219AD)	Yes
MSE1PGHM3	400	0.7	0.83	20	780	175	Single	MicroSMP (DO-219AD)	Yes
MSQ1PGHM3	400	1	0.99	15	650	175	Single	MicroSMP (DO-219AD)	Yes
MSX1PGHM3	400	1	0.9	18	960	175	Single	MicroSMP (DO-219AD)	Yes
SE10FGHM3	400	1	0.85	25	780	175	Single	SMF (DO-219AB)	Yes
SE10PGHM3	400	1	0.86	25	780	175	Single	SMP (DO-220AA)	Yes
SE15FGHM3	400	1.5	0.86	30	900	175	Single	SMF (DO-219AB)	Yes
SE15PGHM3	400	1.5	0.868	30	900	175	Single	SMP (DO-220AA)	Yes
SE20FGHM3	400	2	0.85	35	920	175	Single	SMF (DO-219AB)	Yes
SE20PGHM3	400	2	0.85	32	1200	175	Single	SMP (DO-220AA)	Yes
SE40PGHM3_A	400	4	0.91	60	2200	175	Single	SMPC (TO-277A)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	Rev. Voltage (V)	$I_{F(AV)}$ (A)	V_F at I_F (V)	I_{FSM} (A)	t_{rr} (ns)	T_J Max. (°C)	Circuit Configuration	Package (JEDEC®) Code	Availability of Production Outside China
SE70PGHM3_A	400	7	0.87	120	2600	175	Single	SMPC (TO-277A)	Yes
MSE07PJHM3	600	0.7	0.83	20	780	175	Single	MicroSMP (DO-219AD)	Yes
MSE1PJHM3	600	0.7	0.83	20	780	175	Single	MicroSMP (DO-219AD)	Yes
MSQ1PJHM3	600	1	0.99	15	650	175	Single	MicroSMP (DO-219AD)	Yes
MSX1PJHM3	600	1	0.9	18	960	175	Single	MicroSMP (DO-219AD)	Yes
SE10FJHM3	600	1	0.85	25	780	175	Single	SMF (DO-219AB)	Yes
SE10PJHM3	600	1	0.86	25	780	175	Single	SMP (DO-220AA)	Yes
SE15FJHM3	600	1.5	0.86	30	900	175	Single	SMF (DO-219AB)	Yes
SE15PJHM3	600	1.5	0.868	30	900	175	Single	SMP (DO-220AA)	Yes
SE20FJHM3	600	2	0.85	35	920	175	Single	SMF (DO-219AB)	Yes
SE20PJHM3	600	2	0.85	32	1200	175	Single	SMP (DO-220AA)	Yes
SE40PJHM3_A	600	4	0.91	60	2200	175	Single	SMPC (TO-277A)	Yes
SE70PJHM3_A	600	7	0.87	120	2600	175	Single	SMPC (TO-277A)	Yes
SE30124HM3	1200	30	0.97	700		175	Single	DO-218AB	Yes
Standard GPP Rectifiers									
S1AHM3_A	50	1	1.1	40	1800	175	Single	SMA (DO-214AC)	Yes
S3DHM3_A	200	3	1.15	100	2500	175	Single	SMC (DO-214AB)	Yes
S1GHM3_A	400	1	1.1	40	1800	175	Single	SMA (DO-214AC)	Yes
S2GHM3_A	400	1.5	1.15	50	2000	175	Single	SMB (DO-214AA)	Yes
S3GHM3_A	400	3	1.15	100	2500	175	Single	SMC (DO-214AB)	Yes
S5GHM3_A	400	5	1.15	100	2500	175	Single	SMB (DO-214AA)	Yes
S1JHM3_A	600	1	1.1	40	1800	175	Single	SMA (DO-214AC)	Yes
S3JHM3_A	600	3	1.15	100	2500	175	Single	SMC (DO-214AB)	Yes
S1KHM3_A	800	1	1.1	40	1800	175	Single	SMA (DO-214AC)	Yes
S3KHM3_A	800	3	1.15	100	2500	175	Single	SMC (DO-214AB)	Yes
S1MHM3_A	1000	1	1.1	40	1800	175	Single	SMA (DO-214AC)	Yes
S2MHM3_A	1000	1.5	1.15	50	2000	175	Single	SMB (DO-214AA)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	Rev. Voltage (V)	$I_{F(AV)}$ (A)	V_F at I_F (V)	I_{FSM} (A)	t_{rr} (ns)	T_J max. (°C)	Circuit Configuration	Package (JEDEC®) Code	Availability of Production Outside China
Standard Avalanche Rectifiers									
AS1FDHM3	200	1.5	0.84	30	1300	175	Single	SMF (DO-219AB)	Yes
AS1PDHM3	200	1.5	0.89	30	1500	175	Single	SMP (DO-220AA)	Yes
AS3BDHM3 A	200	3	0.86	90		175	Single	SMB (DO-214AA)	Yes
AS3PDHM3 A	200	3	0.9	70	1200	175	Single	SMP (DO-220AA)	Yes
AS4PDHM3 A	200	4	0.92	100	1800	175	Single	SMPC (TO-277A)	Yes
AS1FGHM3	400	1.5	0.84	30	1300	175	Single	SMF (DO-219AB)	Yes
AS1PGHM3	400	1.5	0.89	30	1500	175	Single	SMP (DO-220AA)	Yes
AS3BGHM3 A	400	3	0.86	90		175	Single	SMB (DO-214AA)	Yes
AS3PGHM3 A	400	3	0.9	70	1200	175	Single	SMP (DO-220AA)	Yes
AS4PGHM3 A	400	4	0.92	100	1800	175	Single	SMPC (TO-277A)	Yes
AS1FJHM3	600	1.5	0.84	30	1300	175	Single	SMF (DO-219AB)	Yes
AS1PJHM3	600	1.5	0.89	30	1500	175	Single	SMP (DO-220AA)	Yes
AS3BJHM3 A	600	3	0.86	90		175	Single	SMB (DO-214AA)	Yes
AS3PJHM3 A	600	3	0.9	70	1200	175	Single	SMP (DO-220AA)	Yes
AS4PJHM3 A	600	4	0.92	100	1800	175	Single	SMPC (TO-277A)	Yes
AS1FKHM3	800	1.5	0.84	30	1300	175	Single	SMF (DO-219AB)	Yes
AS1PKHM3	800	1.5	0.89	30	1500	175	Single	SMP (DO-220AA)	Yes
AS3PKHM3 A	800	3	0.9	70	1200	175	Single	SMP (DO-220AA)	Yes
AS4PKHM3 A	800	4	0.92	100	1800	175	Single	SMPC (TO-277A)	Yes
AS1FMHM3	1000	1.5	0.84	30	1300	175	Single	SMF (DO-219AB)	Yes
AS1PMHM3	1000	1.5	0.89	30	1500	175	Single	SMP (DO-220AA)	Yes
AS3PMHM3 A	1000	3	0.9	70	1200	175	Single	SMP (DO-220AA)	Yes
AS4PMHM3 A	1000	4	0.92	100	1800	175	Single	SMPC (TO-277A)	Yes
Fast Avalanche Rectifiers									
AR1FDHM3	200	1	1.15	30	140	175	Single	SMF (DO-219AB)	Yes
AR1PDHM3	200	1	1.15	30	140	175	Single	SMP (DO-220AA)	Yes
AR3PDHM3 A	200	3	1.04	50	140	175	Single	SMPC (TO-277A)	Yes
AR4PDHM3 A	200	4	1.6	65	140	175	Single	SMPC (TO-277A)	Yes
AR1FGHM3	400	1	1.15	30	140	175	Single	SMF (DO-219AB)	Yes
AR1PGHM3	400	1	1.15	30	140	175	Single	SMP (DO-220AA)	Yes
AR3PGHM3 A	400	3	1.04	50	140	175	Single	SMPC (TO-277A)	Yes
AR4PGHM3 A	400	4	1.6	65	140	175	Single	SMPC (TO-277A)	Yes
AR1FJHM3	600	1	1.15	30	140	175	Single	SMF (DO-219AB)	Yes
AR1PJHM3	600	1	1.15	30	140	175	Single	SMP (DO-220AA)	Yes
AR3PJHM3 A	600	3	1.04	50	140	175	Single	SMPC (TO-277A)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	Rev. Voltage (V)	$I_{F(AV)}$ (A)	V_F at I_F (V)	I_{FSM} (A)	t_{rr} (ns)	T_J max. (°C)	Circuit Configuration	Package (JEDEC®) Code	Availability of Production Outside China
AR4PJHM3 A	600	4	1.6	65	140	175	Single	SMPC (T0-277A)	Yes
AR1FKHM3	800	1	1.4	25	120	175	Single	SMF (D0-219AB)	Yes
AR1PKHM3	800	1	1.4	25	120	175	Single	SMP (D0-220AA)	Yes
AR3PKHM3 A	800	3	1.26	50	120	175	Single	SMPC (T0-277A)	Yes
AR4PKHM3 A	800	4	1.9	65	120	175	Single	SMPC (T0-277A)	Yes
AR1FMHM3	1000	1	1.4	25	120	175	Single	SMF (D0-219AB)	Yes
AR1PMHM3	1000	1	1.4	25	120	175	Single	SMP (D0-220AA)	Yes
AR3PMHM3 A	1000	3	1.26	50	120	175	Single	SMPC (T0-277A)	Yes
AR4PMHM3 A	1000	4	1.9	65	120	175	Single	SMPC (T0-277A)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Power Rectifiers >> Ultrafast Rectifiers



FRED Pt® hyperfast and ultrafast rectifiers are based on Pt doping technology, offer best in class reverse recovery losses and increase efficiency. A controlled 20 mJ avalanche capability is available as well.

Part Number	Rev. Voltage (V)	$I_{F(AV)}$ (A)	V_F at I_F (V)	I_{FSM} (A)	t_{rr} (ns)	T_J Max. (°C)	Circuit Configuration	Package (JEDEC®) Code	Availability of Production Outside China
Ultrafast FRED Pt® and Planar Rectifiers									
VS-1EFH01HM3	100	1	0.74	35	25	175	Single	SMF (DO-219AB)	Yes
VS-1EQH01HM3	100	1	0.72	30	33	175	Single	MicroSMP (DO-219AD)	Yes
VS-2EFH01HM3	100	2	0.75	50	25	175	Single	SMF (DO-219AB)	Yes
VS-2EQH01HM3	100	2	0.82	30	33	175	Single	MicroSMP (DO-219AD)	Yes
VS-1EFH02HM3	200	1	0.74	35	25	175	Single	SMF (DO-219AB)	Yes
VS-1EQH02HM3	200	1	0.72	30	33	175	Single	MicroSMP (DO-219AD)	Yes
VS-2EFH02HM3	200	2	0.75	50	25	175	Single	SMF (DO-219AB)	Yes
VS-2EQH02HM3	200	2	0.82	30	33	175	Single	MicroSMP (DO-219AD)	Yes
VS-1EFU06HM3	600	1	0.83	30	55	175	Single	SMF (DO-219AB)	Yes
VS-2EFU06HM3	600	2	0.95	30	55	175	Single	SMF (DO-219AB)	Yes
VS-3EGU06WHM3	600	3	0.99	55	41	175	Single	SMB (DO-214AA)	Yes
VS-6ESH06HM3	600	6	1.05	90	33	175	Single	SMPC (TO-277A)	Yes
VS-6ESU06HM3	600	6	0.95	120	42	175	Single	SMPC (TO-277A)	Yes
VS-8ESH06HM3	600	8	1.13	90	33	175	Single	SMPC (TO-277A)	Yes
VS-8ESU06HM3	600	8	1.01	120	42	175	Single	SMPC (TO-277A)	Yes
VS-E7FX0112HM3	1200	1	1.45	14	50	175	Single	SMF (DO-219AB)	Yes
VS-E7FX0212HM3	1200	2	1.6	21	45	175	Single	SMF (DO-219AB)	Yes
Ultrafast GPP Rectifiers									
ESH1PBHM3	100	1	0.9	50	25	175	Single	SMP (DO-220AA)	Yes
ESH2PBHM3	100	2	0.75	50	25	175	Single	SMP (DO-220AA)	Yes
ESH1PCHM3	150	1	0.9	50	25	175	Single	SMP (DO-220AA)	Yes
ESH2PCHM3	150	2	0.75	50	25	175	Single	SMP (DO-220AA)	Yes
ESH1DHM3_A	200	1	0.9	50	25	175	Single	SMA (DO-214AC)	Yes
ESH1PDHM3	200	1	0.9	50	25	175	Single	SMP (DO-220AA)	Yes
ESH2PDHM3	200	2	0.75	50	25	175	Single	SMP (DO-220AA)	Yes
MURS360HM3_A	600	3	1.05	125	50	175	Single	SMC (DO-214AB)	Yes
MUH1PBHM3	100	1	0.82	10	25	175	Single	MicroSMP (DO-219AD)	Yes
UH4PBCHM3_A	100	2 x 2.0	0.77	40	25	175	Common cathode	SMPC (TO-277A)	Yes
UH4PCCHM3_A	150	2 x 2.0	0.77	40	25	175	Common cathode	SMPC (TO-277A)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	Rev. Voltage (V)	$I_{F(AV)}$ (A)	V_F at I_F (V)	I_{FSM} (A)	t_{rr} (ns)	T_J Max. (°C)	Circuit Configuration	Package (JEDEC®) Code	Availability of Production Outside China
Ultrafast Avalanche Rectifiers									
AU1FDHM3	200	1	1.4	30	75	175	Single	SMF (DO-219AB)	Yes
AU1PDHM3	200	1	1.4	30	75	175	Single	SMP (DO-220AA)	Yes
AU2PDHM3 A	200	2	1.13	30	75	175	Single	SMPC (TO-277A)	Yes
AU3PDHM3 A	200	3	1.13	45	75	175	Single	SMPC (TO-277A)	Yes
AU1FGHM3	400	1	1.4	30	75	175	Single	SMF (DO-219AB)	Yes
AU1PGHM3	400	1	1.4	30	75	175	Single	SMP (DO-220AA)	Yes
AU2PGHM3 A	400	2	1.13	30	75	175	Single	SMPC (TO-277A)	Yes
AU3PGHM3 A	400	3	1.13	45	75	175	Single	SMPC (TO-277A)	Yes
AU1FJHM3	600	1	1.4	30	75	175	Single	SMF (DO-219AB)	Yes
AU1PJHM3	600	1	1.4	30	75	175	Single	SMP (DO-220AA)	Yes
AU2PJHM3 A	600	2	1.13	30	75	175	Single	SMPC (TO-277A)	Yes
AU3PJHM3 A	600	3	1.13	45	75	175	Single	SMPC (TO-277A)	Yes
AU1FKHM3	800	1	1.6	25	75	175	Single	SMF (DO-219AB)	Yes
AU1PKHM3	800	1	1.6	25	75	175	Single	SMP (DO-220AA)	Yes
AU2PKHM3 A	800	2	1.42	30	75	175	Single	SMPC (TO-277A)	Yes
AU3PKHM3 A	800	3	1.45	45	75	175	Single	SMPC (TO-277A)	Yes
AU1FMHM3	1000	1	1.6	25	75	175	Single	SMF (DO-219AB)	Yes
AU1PMHM3	1000	1	1.6	25	75	175	Single	SMP (DO-220AA)	Yes
AU2PMHM3 A	1000	2	1.42	30	75	175	Single	SMPC (TO-277A)	Yes
AU3PMHM3 A	1000	3	1.45	45	75	175	Single	SMPC (TO-277A)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Power Rectifiers >> Schottky Rectifiers



Including planar and patented Trench MOS Barrier Schottky (TMBS) wafer technologies with blocking voltage from 45 V to 200 V and improved switching performance.

Part Number	Rev. Voltage (V)	$I_{F(AV)}$ (A)	V_F at I_F (V)	I_{FSM} (A)	T_J Max. (°C)	Circuit Configuration	Package (JEDEC®) Code	Availability of Production Outside China
Schottky TMBS® Rectifiers								
V8PM45HM3	45	8	0.46	140	175	Single	SMPC (T0-277A)	Yes
V10PM45HM3	45	10	0.46	180	175	Single	SMPC (T0-277A)	Yes
V12PM45HM3	45	12	0.46	200	175	Single	SMPC (T0-277A)	Yes
V15PM45HM3	45	15	0.52	220	175	Single	SMPC (T0-277A)	Yes
V2P6XHM3	60	2	0.51	50	175	Single	SMP (DO-220AA)	Yes
V2PM63LHM3	60	2	0.52	50	175	Single	SMP (DO-220AA)	Yes
V2PM6LHM3	60	2	0.48	50	175	Single	SMP (DO-220AA)	Yes
V3PM63HM3	60	3	0.53	60	175	Single	SMP (DO-220AA)	Yes
V3PM6HM3	60	3	0.47	80	175	Single	SMP (DO-220AA)	Yes
V8PM63HM3	60	8	0.52	140	175	Single	SMPC (T0-277A)	Yes
V8PM6HM3	60	8	0.52	140	175	Single	SMPC (T0-277A)	Yes
V10PM63HM3	60	10	0.52	180	175	Single	SMPC (T0-277A)	Yes
V10PM6HM3	60	10	0.52	180	175	Single	SMPC (T0-277A)	Yes
V12PM63HM3	60	12	0.52	200	175	Single	SMPC (T0-277A)	Yes
V12PM6HM3	60	12	0.52	200	175	Single	SMPC (T0-277A)	Yes
V15PM63HM3	60	15	0.55	220	175	Single	SMPC (T0-277A)	Yes
V15PM6HM3	60	15	0.52	220	175	Single	SMPC (T0-277A)	Yes
V20PM63HM3	60	20	0.57	240	175	Single	SMPC (T0-277A)	Yes
V1FM10HM3	100	1	0.59	30	175	Single	SMF (DO-219AB)	Yes
V1PM10HM3	100	1	0.58	25	175	Single	MicroSMP (DO-219AD)	Yes
V2FM10HM3	100	2	0.62	40	175	Single	SMF (DO-219AB)	Yes
V2PM10HM3	100	2	0.62	30	175	Single	MicroSMP (DO-219AD)	Yes
V2PM10LHM3	100	2	0.62	50	175	Single	SMP (DO-220AA)	Yes
V3FM10HM3	100	3	0.62	55	175	Single	SMF (DO-219AB)	Yes
V3PM10HM3	100	3	0.58	80	175	Single	SMP (DO-220AA)	Yes
V8PM103HM3	100	8	0.56	140	175	Single	SMPC (T0-277A)	Yes
V8PM103SHM3	100	8	0.57	120	175	Single	SMPC (T0-277A)	Yes
V8PM10HM3	100	8	0.6	140	175	Single	SMPC (T0-277A)	Yes
V8PM10SHM3	100	8	0.62	120	175	Single	SMPC (T0-277A)	Yes
V10PM103HM3	100	10	0.54	180	175	Single	SMPC (T0-277A)	Yes
V10PM10HM3	100	10	0.61	180	175	Single	SMPC (T0-277A)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	Rev. Voltage (V)	$I_{F(AV)}$ (A)	V_F at I_F (V)	I_{FSM} (A)	T_J Max. (°C)	Circuit Configuration	Package (JEDEC®) Code	Availability of Production Outside China
V12PM103HM3	100	12	0.54	200	175	Single	SMPC (T0-277A)	Yes
V12PM10HM3	100	12	0.61	200	175	Single	SMPC (T0-277A)	Yes
V15PM103HM3	100	15	0.56	220	175	Single	SMPC (T0-277A)	Yes
V15PM10HM3	100	15	0.61	220	175	Single	SMPC (T0-277A)	Yes
V1FM12HM3	120	1	0.61	30	175	Single	SMF (DO-219AB)	Yes
V1PM12HM3	120	1	0.61	25	175	Single	MicroSMP (DO-219AD)	Yes
V2FM12HM3	120	2	0.65	40	175	Single	SMF (DO-219AB)	Yes
V2PM12HM3	120	2	0.65	30	175	Single	MicroSMP (DO-219AD)	Yes
V2PM12LHM3	120	2	0.65	50	175	Single	SMP (DO-220AA)	Yes
V3FM12HM3	120	3	0.64	60	175	Single	SMF (DO-219AB)	Yes
V3PM12HM3	120	3	0.61	80	175	Single	SMP (DO-220AA)	Yes
V8PM12HM3 A	120	8	0.63	140	175	Single	SMPC (T0-277A)	Yes
V10PM12HM3 A	120	10	0.63	160	175	Single	SMPC (T0-277A)	Yes
V12PM12HM3 A	120	12	0.63	160	175	Single	SMPC (T0-277A)	Yes
V15PM12HM3	120	15	0.63	220	175	Single	SMPC (T0-277A)	Yes
V1FM15HM3	150	1	0.64	30	175	Single	SMF (DO-219AB)	Yes
V1PM15HM3	150	1	0.64	25	175	Single	MicroSMP (DO-219AD)	Yes
V2FM15HM3	150	2	0.69	40	175	Single	SMF (DO-219AB)	Yes
V2PM15HM3	150	2	0.68	30	175	Single	MicroSMP (DO-219AD)	Yes
V2PM15LHM3	150	2	0.68	50	175	Single	SMP (DO-220AA)	Yes
V3FM15HM3	150	3	0.66	40	175	Single	SMF (DO-219AB)	Yes
V3PM15HM3	150	3	0.64	80	175	Single	SMP (DO-220AA)	Yes
V8PM153HM3	150	8	0.62	140	175	Single	SMPC (T0-277A)	Yes
V8PM15HM3	150	8	0.66	140	175	Single	SMPC (T0-277A)	Yes
V10PM153HM3	150	10	0.61	180	175	Single	SMPC (T0-277A)	Yes
V10PM15HM3	150	10	0.66	180	175	Single	SMPC (T0-277A)	Yes
V12PM153HM3	150	12	0.62	200	175	Single	SMPC (T0-277A)	Yes
V12PM15HM3	150	12	0.66	200	175	Single	SMPC (T0-277A)	Yes
V15PM153HM3	150	15	0.62	220	175	Single	SMPC (T0-277A)	Yes
V15PM15HM3	150	15	0.66	220	175	Single	SMPC (T0-277A)	Yes
V1F22HM3 A	200	1	0.64	30	175	Single	SMF (DO-219AB)	Yes
V1P22HM3 A	200	1	0.65	25	175	Single	MicroSMP (DO-219AD)	Yes
V2F22HM3 A	200	2	0.64	60	175	Single	SMF (DO-219AB)	Yes
V2F22HM3	200	2	0.64	60	175	Single	SMF (DO-219AB)	Yes
V2P22HM3 A	200	2	0.7	30	175	Single	MicroSMP (DO-219AD)	Yes
V2P22LHM3 A	200	2	0.68	50	175	Single	SMP (DO-220AA)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	Rev. Voltage (V)	$I_{F(AV)}$ (A)	V_F at I_F (V)	I_{FSM} (A)	T_J Max. (°C)	Circuit Configuration	Package (JEDEC®) Code	Availability of Production Outside China
V4P22CHM3 A	200	2 x 2	0.65	60	175	Common cathode	SMPC (T0-277A)	Yes
V6P22CHM3 A	200	2 x 3	0.68	70	175	Common cathode	SMPC (T0-277A)	Yes
V8P22CHM3 A	200	2 x 4	0.69	80	175	Common cathode	SMPC (T0-277A)	Yes
V10P22CHM3 A	200	2 x 5	0.69	90	175	Common cathode	SMPC (T0-277A)	Yes
V3P22HM3 A	200	3	0.7	60	175	Single	SMP (DO-220AA)	Yes
V8P22HM3 A	200	8	0.68	140	175	Single	SMPC (T0-277A)	Yes
V10P22HM3 A	200	10	0.68	180	175	Single	SMPC (T0-277A)	Yes
V12P22HM3 A	200	12	0.68	200	175	Single	SMPC (T0-277A)	Yes
V15P22HM3 A	200	15	0.69	220	175	Single	SMPC (T0-277A)	Yes
Schottky Planar Rectifiers								
SL04-HM3	40	1.1	3	40	175	Single	SMF (DO-219AB)	Yes
SS10PH45HM3 A	45	10	0.56	200	175	Single	SMPC (T0-277A)	Yes
SS2PH5HM3	50	2	0.59	50	175	Single	SMP (DO-220AA)	Yes
SS1FH6HM3	60	1	0.56	40	175	Single	SMF (DO-219AB)	Yes
SS2FH6HM3	60	2	0.64	40	175	Single	SMF (DO-219AB)	Yes
SS2PH6HM3	60	2	0.59	50	175	Single	SMP (DO-220AA)	Yes
SS1H9HM3 B	90	1	0.62	50	175	Single	SMA (DO-214AC)	Yes
SS2H9HM3 A	90	2	0.65	75	175	Single	SMB (DO-214AA)	Yes
SS2PH9HM3 A	90	2	0.62	50	175	Single	SMP (DO-220AA)	Yes
SS8PH9HM3 A	90	8	0.72	150	175	Single	SMPC (T0-277A)	Yes
SS10PH9HM3 A	90	10	0.661	200	175	Single	SMPC (T0-277A)	Yes
SS1FH10HM3	100	1	0.57	40	175	Single	SMF (DO-219AB)	Yes
SS1H10HM3 B	100	1	0.62	50	175	Single	SMA (DO-214AC)	Yes
SS2FH10HM3	100	2	0.63	50	175	Single	SMF (DO-219AB)	Yes
SS2H10HM3 A	100	2	0.65	75	175	Single	SMB (DO-214AA)	Yes
SS2PH10HM3 A	100	2	0.62	50	175	Single	SMP (DO-220AA)	Yes
VS-30BQ100HM3	100	3	0.62	800	175	Single	SMC (DO-214AB)	Yes
SS8PH10HM3 A	100	8	0.72	150	175	Single	SMPC (T0-277A)	Yes
SS10PH10HM3 A	100	10	0.661	200	175	Single	SMPC (T0-277A)	Yes



AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

The DNA of tech.®

Protection Diodes >> TVS

Industry-first snapback type XClampR® TVS; TRANSZORB® offered in the eSMP® series - SMF (DO-219AB) package; patented PAR® temperature range up to 185 °C;



Part Number	P _{PPM} at 10 x 1000 µs (W)	TVS Polarity	Stand-Off Voltage V _{WM} (V)	Breakdown Voltage V _{BR} at I _T (V) Min.	Breakdown Voltage V _{BR} at I _T (V) Max.	T _J Max. (°C)	Package (JEDEC®) Code	Availability of Production Outside China
XClampR® TVS								
XLD5A24CAHM3	7700	Bidirectional	24	26.7	29.5	175	DO-218AB	Yes
XLD8A24CAHM3	11000	Bidirectional	24	26.7	29.5	175	DO-218AB	Yes
TRANSZORB® TVS								
VTVS3V3ASMF-HM3	400	Unidirectional	3.3	6.4		175	SMF (DO-219AB)	Yes
VTVS5V0ASMF-HM3	400	Unidirectional	5	6.4		175	SMF (DO-219AB)	Yes
VTVS8V5ASMF-HM3	400	Unidirectional	8.5	9.8		175	SMF (DO-219AB)	Yes
VTVS9V4ASMF-HM3	400	Unidirectional	9.4	10.83		175	SMF (DO-219AB)	Yes
VTVS10ASMF-HM3	400	Unidirectional	10.3	11.4		175	SMF (DO-219AB)	Yes
VTVS11ASMF-HM3	400	Unidirectional	11.2	12.6		175	SMF (DO-219AB)	Yes
VTVS12ASMF-HM3	400	Unidirectional	12.4	14.41		175	SMF (DO-219AB)	Yes
VTVS14ASMF-HM3	400	Unidirectional	13.8	15.88		175	SMF (DO-219AB)	Yes
VTVS15ASMF-HM3	400	Unidirectional	15.1	17.6		175	SMF (DO-219AB)	Yes
VTVS17ASMF-HM3	400	Unidirectional	16.9	19.6		175	SMF (DO-219AB)	Yes
VTVS19ASMF-HM3	400	Unidirectional	18.7	21.61		175	SMF (DO-219AB)	Yes
VTVS21ASMF-HM3	400	Unidirectional	20.5	23.72		175	SMF (DO-219AB)	Yes
VTVS23ASMF-HM3	400	Unidirectional	22.6	26.51		175	SMF (DO-219AB)	Yes
VTVS25ASMF-HM3	400	Unidirectional	25.2	29.4		175	SMF (DO-219AB)	Yes
VTVS28ASMF-HM3	400	Unidirectional	27.9	32.39		175	SMF (DO-219AB)	Yes
VTVS31ASMF-HM3	400	Unidirectional	30.6	35.28		175	SMF (DO-219AB)	Yes
VTVS33ASMF-HM3	400	Unidirectional	33.3	38.27		175	SMF (DO-219AB)	Yes
VTVS36ASMF-HM3	400	Unidirectional	36	42.19		175	SMF (DO-219AB)	Yes
VTVS40ASMF-HM3	400	Unidirectional	39.6	46.11		175	SMF (DO-219AB)	Yes
VTVS43ASMF-HM3	400	Unidirectional	43.2	50.03		175	SMF (DO-219AB)	Yes
VTVS47ASMF-HM3	400	Unidirectional	46.8	54.88		175	SMF (DO-219AB)	Yes
VTVS52ASMF-HM3	400	Unidirectional	52.2	58.9		175	SMF (DO-219AB)	Yes
VTVS58ASMF-HM3	400	Unidirectional	57.6	66.64		175	SMF (DO-219AB)	Yes
VTVS63ASMF-HM3	400	Unidirectional	63	73.01		175	SMF (DO-219AB)	Yes
VTVS3V3GSMF-HM3	400	Unidirectional	3.3	6.57		175	SMF (DO-219AB)	Yes
VTVS5V0GSMF-HM3	400	Unidirectional	5	6.57		175	SMF (DO-219AB)	Yes
VTVS8V5GSMF-HM3	400	Unidirectional	8.5	9.5		175	SMF (DO-219AB)	Yes
VTVS9V4GSMF-HM3	400	Unidirectional	9.4	10.5		175	SMF (DO-219AB)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	P_{PPM} at 10 x 1000 μ s (W)	TVS Polarity	Stand-Off Voltage V_{WM} (V)	Breakdown Voltage V_{BR} at I_T (V) Min.	Breakdown Voltage V_{BR} at I_T (V) Max.	T_J Max. (°C)	Package (JEDEC®) Code	Availability of Production Outside China
VTVS10GSMF-HM3	400	Unidirectional	10.3	11.81		175	SMF (D0-219AB)	Yes
VTVS11GSMF-HM3	400	Unidirectional	11.2	12.99		175	SMF (D0-219AB)	Yes
VTVS12GSMF-HM3	400	Unidirectional	12.4	14		175	SMF (D0-219AB)	Yes
VTVS14GSMF-HM3	400	Unidirectional	13.8	15.4		175	SMF (D0-219AB)	Yes
VTVS15GSMF-HM3	400	Unidirectional	15.1	17.1		175	SMF (D0-219AB)	Yes
VTVS17GSMF-HM3	400	Unidirectional	16.9	19		175	SMF (D0-219AB)	Yes
VTVS19GSMF-HM3	400	Unidirectional	18.7	20.9		175	SMF (D0-219AB)	Yes
VTVS21GSMF-HM3	400	Unidirectional	20.5	23		175	SMF (D0-219AB)	Yes
VTVS23GSMF-HM3	400	Unidirectional	22.6	25.7		175	SMF (D0-219AB)	Yes
VTVS25GSMF-HM3	400	Unidirectional	25.2	28.5		175	SMF (D0-219AB)	Yes
VTVS28GSMF-HM3	400	Unidirectional	27.9	31.4		175	SMF (D0-219AB)	Yes
VTVS31GSMF-HM3	400	Unidirectional	30.6	34.2		175	SMF (D0-219AB)	Yes
VTVS33GSMF-HM3	400	Unidirectional	33.3	37.1		175	SMF (D0-219AB)	Yes
VTVS36GSMF-HM3	400	Unidirectional	36	40.9		175	SMF (D0-219AB)	Yes
VTVS40GSMF-HM3	400	Unidirectional	39.6	44.7		175	SMF (D0-219AB)	Yes
VTVS43GSMF-HM3	400	Unidirectional	43.2	48.5		175	SMF (D0-219AB)	Yes
VTVS47GSMF-HM3	400	Unidirectional	46.8	53.2		175	SMF (D0-219AB)	Yes
VTVS52GSMF-HM3	400	Unidirectional	52.2	60.76		175	SMF (D0-219AB)	Yes
VTVS58GSMF-HM3	400	Unidirectional	57.6	64.6		175	SMF (D0-219AB)	Yes
VTVS63GSMF-HM3	400	Unidirectional	63	70.8		175	SMF (D0-219AB)	Yes
PAR® TVS								
T4F10AHM3	400	Unidirectional	8.55	9.5	10.5	185	SMF (D0-219AB)	Yes
T4F11AHM3	400	Unidirectional	9.4	10.5	11.6	185	SMF (D0-219AB)	Yes
T4F12AHM3	400	Unidirectional	10.2	11.4	12.6	185	SMF (D0-219AB)	Yes
T4F13AHM3	400	Unidirectional	11.1	12.4	13.7	185	SMF (D0-219AB)	Yes
T4F15AHM3	400	Unidirectional	12.8	14.3	15.8	185	SMF (D0-219AB)	Yes
T4F16AHM3	400	Unidirectional	13.6	15.2	16.8	185	SMF (D0-219AB)	Yes
T4F18AHM3	400	Unidirectional	15.3	17.1	18.9	185	SMF (D0-219AB)	Yes
T4F20AHM3	400	Unidirectional	17.1	19	21	185	SMF (D0-219AB)	Yes
T4F22AHM3	400	Unidirectional	18.8	20.9	23.1	185	SMF (D0-219AB)	Yes
T4F24AHM3	400	Unidirectional	20.5	22.8	25.2	185	SMF (D0-219AB)	Yes
T4F27AHM3	400	Unidirectional	23.1	25.7	28.4	185	SMF (D0-219AB)	Yes
T4F30AHM3	400	Unidirectional	25.6	28.5	31.5	185	SMF (D0-219AB)	Yes
T4F33AHM3	400	Unidirectional	28.2	31.4	34.7	185	SMF (D0-219AB)	Yes
T4F36AHM3	400	Unidirectional	30.8	34.2	37.8	185	SMF (D0-219AB)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	P_{PPM} at 10 x 1000 μ s (W)	TVS Polarity	Stand-Off Voltage V_{WM} (V)	Breakdown Voltage V_{BR} at I_T (V) Min.	Breakdown Voltage V_{BR} at I_T (V) Max.	T_J Max. (°C)	Package (JEDEC®) Code	Availability of Production Outside China
T4F39AHM3	400	Unidirectional	33.3	37.1	41	185	SMF (D0-219AB)	Yes
T4F43AHM3	400	Unidirectional	36.8	40.9	45.2	185	SMF (D0-219AB)	Yes
T4F47AHM3	400	Unidirectional	40.2	44.7	49.4	185	SMF (D0-219AB)	Yes
T4F51AHM3	400	Unidirectional	43.6	48.5	53.6	185	SMF (D0-219AB)	Yes
TPSMA10AHM3 B	400	Unidirectional	8.65	9.5	10.5	185	SMA (D0-214AC)	Yes
TPSMA11AHM3 B	400	Unidirectional	9.4	10.5	11.6	185	SMA (D0-214AC)	Yes
TPSMA12AHM3 B	400	Unidirectional	10.2	11.4	12.6	185	SMA (D0-214AC)	Yes
TPSMA13AHM3 B	400	Unidirectional	11.1	12.4	13.7	185	SMA (D0-214AC)	Yes
TPSMA15AHM3 B	400	Unidirectional	12.8	14.3	15.8	185	SMA (D0-214AC)	Yes
TPSMA16AHM3 B	400	Unidirectional	13.6	15.2	16.8	185	SMA (D0-214AC)	Yes
TPSMA18AHM3 B	400	Unidirectional	15.3	17.1	18.9	185	SMA (D0-214AC)	Yes
TPSMA20AHM3 B	400	Unidirectional	17.1	19	21	185	SMA (D0-214AC)	Yes
TPSMA22AHM3 B	400	Unidirectional	18.8	20.9	23.1	185	SMA (D0-214AC)	Yes
TPSMA24AHM3 B	400	Unidirectional	20.5	22.8	25.2	185	SMA (D0-214AC)	Yes
TPSMA27AHM3 B	400	Unidirectional	23.1	25.7	28.4	185	SMA (D0-214AC)	Yes
TPSMA30AHM3 B	400	Unidirectional	25.6	28.5	31.5	185	SMA (D0-214AC)	Yes
TPSMA33AHM3 B	400	Unidirectional	28.2	31.4	34.7	185	SMA (D0-214AC)	Yes
TPSMA36AHM3 B	400	Unidirectional	30.8	34.2	37.8	185	SMA (D0-214AC)	Yes
TPSMA39AHM3 B	400	Unidirectional	33.3	37.1	41	185	SMA (D0-214AC)	Yes
TPSMA43AHM3 B	400	Unidirectional	36.8	40.9	45.2	185	SMA (D0-214AC)	Yes
TPSMA6.8AHM3 B	400	Unidirectional	5.8	6.45	7.14	185	SMA (D0-214AC)	Yes
TPSMA7.5AHM3 B	400	Unidirectional	6.4	7.13	7.88	185	SMA (D0-214AC)	Yes
TPSMA8.2AHM3 B	400	Unidirectional	7.02	7.79	8.61	185	SMA (D0-214AC)	Yes
TPSMA9.1AHM3 B	400	Unidirectional	7.78	8.65	9.55	185	SMA (D0-214AC)	Yes
TPSMP10AHM3 A	400	Unidirectional	8.55	9.5	10.5	185	SMP (D0-220AA)	Yes
TPSMP11AHM3 A	400	Unidirectional	9.4	10.5	11.6	185	SMP (D0-220AA)	Yes
TPSMP12AHM3 A	400	Unidirectional	10.2	11.4	12.6	185	SMP (D0-220AA)	Yes
TPSMP13AHM3 A	400	Unidirectional	11.1	12.4	13.7	185	SMP (D0-220AA)	Yes
TPSMP15AHM3 A	400	Unidirectional	12.8	14.3	15.8	185	SMP (D0-220AA)	Yes
TPSMP16AHM3 A	400	Unidirectional	13.6	15.2	16.8	185	SMP (D0-220AA)	Yes
TPSMP18AHM3 A	400	Unidirectional	15.3	17.1	18.9	185	SMP (D0-220AA)	Yes
TPSMP20AHM3 A	400	Unidirectional	17.1	19	21	185	SMP (D0-220AA)	Yes
TPSMP22AHM3 A	400	Unidirectional	18.8	20.9	23.1	185	SMP (D0-220AA)	Yes
TPSMP24AHM3 A	400	Unidirectional	20.5	22.8	25.2	185	SMP (D0-220AA)	Yes
TPSMP27AHM3 A	400	Unidirectional	23.1	25.7	28.4	185	SMP (D0-220AA)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	P _{PPM} at 10 x 1000 μ s (W)	TVS Polarity	Stand-Off Voltage V _{WM} (V)	Breakdown Voltage V _{BR} at I _T (V) Min.	Breakdown Voltage V _{BR} at I _T (V) Max.	T _J Max. (°C)	Package (JEDEC®) Code	Availability of Production Outside China
TPSMP30AHM3 A	400	Unidirectional	25.6	28.5	31.5	185	SMP (DO-220AA)	Yes
TPSMP33AHM3 A	400	Unidirectional	28.2	31.4	34.7	185	SMP (DO-220AA)	Yes
TPSMP36AHM3 A	400	Unidirectional	30.8	34.2	37.8	185	SMP (DO-220AA)	Yes
TPSMP39AHM3 A	400	Unidirectional	33.3	37.1	41	185	SMP (DO-220AA)	Yes
TPSMP43AHM3 A	400	Unidirectional	36.8	40.9	45.2	185	SMP (DO-220AA)	Yes
TPSMP6.8AHM3 A	400	Unidirectional	5.8	6.45	7.14	185	SMP (DO-220AA)	Yes
TPSMP7.5AHM3 A	400	Unidirectional	6.4	7.13	7.88	185	SMP (DO-220AA)	Yes
TPSMP8.2AHM3 A	400	Unidirectional	7.02	7.79	8.61	185	SMP (DO-220AA)	Yes
TPSMP9.1AHM3 A	400	Unidirectional	7.78	8.65	9.55	185	SMP (DO-220AA)	Yes
TPSMB10AHM3 A	600	Unidirectional	8.55	9.5	10.5	185	SMB (DO-214AA)	Yes
TPSMB11AHM3 A	600	Unidirectional	9.4	10.5	11.6	185	SMB (DO-214AA)	Yes
TPSMB12AHM3 A	600	Unidirectional	10.2	11.4	12.6	185	SMB (DO-214AA)	Yes
TPSMB13AHM3 A	600	Unidirectional	11.1	12.4	13.7	185	SMB (DO-214AA)	Yes
TPSMB15AHM3 A	600	Unidirectional	12.8	14.3	15.8	185	SMB (DO-214AA)	Yes
TPSMB16AHM3 A	600	Unidirectional	13.6	15.2	16.8	185	SMB (DO-214AA)	Yes
TPSMB18AHM3 A	600	Unidirectional	15.3	17.1	18.9	185	SMB (DO-214AA)	Yes
TPSMB20AHM3 A	600	Unidirectional	17.1	19	21	185	SMB (DO-214AA)	Yes
TPSMB22AHM3 A	600	Unidirectional	18.8	20.9	23.1	185	SMB (DO-214AA)	Yes
TPSMB24AHM3 A	600	Unidirectional	20.5	22.8	25.2	185	SMB (DO-214AA)	Yes
TPSMB27AHM3 A	600	Unidirectional	23.1	25.7	28.4	185	SMB (DO-214AA)	Yes
TPSMB30AHM3 A	600	Unidirectional	25.6	28.5	31.5	185	SMB (DO-214AA)	Yes
TPSMB33AHM3 A	600	Unidirectional	28.2	31.4	34.7	185	SMB (DO-214AA)	Yes
TPSMB36AHM3 A	600	Unidirectional	30.8	34.2	37.8	185	SMB (DO-214AA)	Yes
TPSMB39AHM3 A	600	Unidirectional	33.3	37.1	41	185	SMB (DO-214AA)	Yes
TPSMB43AHM3 A	600	Unidirectional	36.8	40.9	45.2	185	SMB (DO-214AA)	Yes
TPSMB6.8AHM3 A	600	Unidirectional	5.8	6.45	7.14	185	SMB (DO-214AA)	Yes
TPSMB7.5AHM3 A	600	Unidirectional	6.4	7.13	7.88	185	SMB (DO-214AA)	Yes
TPSMB8.2AHM3 A	600	Unidirectional	7.02	7.79	8.61	185	SMB (DO-214AA)	Yes
TPSMB9.1AHM3 A	600	Unidirectional	7.78	8.65	9.55	185	SMB (DO-214AA)	Yes
TPC11CAHM3	1500	Bidirectional	9.4	10.5	11.6	185	SMPC (TO-277A)	Yes
TPC12CAHM3	1500	Bidirectional	10.2	11.4	12.6	185	SMPC (TO-277A)	Yes
TPC13CAHM3	1500	Bidirectional	11.1	12.4	13.7	185	SMPC (TO-277A)	Yes
TPC15CAHM3	1500	Bidirectional	12.8	14.3	15.8	185	SMPC (TO-277A)	Yes
TPC16CAHM3	1500	Bidirectional	13.6	15.2	16.8	185	SMPC (TO-277A)	Yes
TPC18CAHM3	1500	Bidirectional	15.3	17.1	18.9	185	SMPC (TO-277A)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	P_{PPM} at 10 x 1000 μ s (W)	TVS Polarity	Stand-Off Voltage V_{WM} (V)	Breakdown Voltage V_{BR} at I_T (V) Min.	Breakdown Voltage V_{BR} at I_T (V) Max.	T_J Max. (°C)	Package (JEDEC®) Code	Availability of Production Outside China
TPC20CAHM3	1500	Bidirectional	17.1	19	21	185	SMPC (TO-277A)	Yes
TPC22CAHM3	1500	Bidirectional	18.8	20.9	23.1	185	SMPC (TO-277A)	Yes
TPC24CAHM3	1500	Bidirectional	20.5	22.8	25.2	185	SMPC (TO-277A)	Yes
TPC27CAHM3	1500	Bidirectional	23.1	25.7	28.4	185	SMPC (TO-277A)	Yes
TPC30CAHM3	1500	Bidirectional	25.6	28.5	31.5	185	SMPC (TO-277A)	Yes
TPC33CAHM3	1500	Bidirectional	28.2	31.4	34.7	185	SMPC (TO-277A)	Yes
TPC36CAHM3	1500	Bidirectional	30.8	34.2	37.8	185	SMPC (TO-277A)	Yes
TPSMC13AHM3 B	1500	Unidirectional	11.1	12.4	13.7	185	SMC (D0-214AB)	Yes
TPSMC6.8AHM3 B	1500	Unidirectional	5.8	6.45	7.14	185	SMC (D0-214AB)	Yes
TPSMC7.5AHM3 B	1500	Unidirectional	6.4	7.13	7.88	185	SMC (D0-214AB)	Yes
TPC10AHM3 A	1500	Unidirectional	8.55	9.5	10.5	185	SMPC (TO-277A)	Yes
TPC11AHM3 A	1500	Unidirectional	9.4	10.5	11.6	185	SMPC (TO-277A)	Yes
TPC12AHM3 A	1500	Unidirectional	10.2	11.4	12.6	185	SMPC (TO-277A)	Yes
TPC13AHM3 A	1500	Unidirectional	11.1	12.4	13.7	185	SMPC (TO-277A)	Yes
TPC15AHM3 A	1500	Unidirectional	12.8	14.3	15.8	185	SMPC (TO-277A)	Yes
TPC16AHM3 A	1500	Unidirectional	13.6	15.2	16.8	185	SMPC (TO-277A)	Yes
TPC18AHM3 A	1500	Unidirectional	15.3	17.1	18.9	185	SMPC (TO-277A)	Yes
TPC20AHM3 A	1500	Unidirectional	17.1	19	21	185	SMPC (TO-277A)	Yes
TPC22AHM3 A	1500	Unidirectional	18.8	20.9	23.1	185	SMPC (TO-277A)	Yes
TPC24AHM3 A	1500	Unidirectional	20.5	22.8	25.2	185	SMPC (TO-277A)	Yes
TPC27AHM3 A	1500	Unidirectional	23.1	25.7	28.4	185	SMPC (TO-277A)	Yes
TPC30AHM3 A	1500	Unidirectional	25.6	28.5	31.5	185	SMPC (TO-277A)	Yes
TPC33AHM3 A	1500	Unidirectional	28.2	31.4	34.7	185	SMPC (TO-277A)	Yes
TPC36AHM3 A	1500	Unidirectional	30.8	34.2	37.8	185	SMPC (TO-277A)	Yes
TPC39AHM3 A	1500	Unidirectional	33.3	37.1	41	185	SMPC (TO-277A)	Yes
TPC43AHM3 A	1500	Unidirectional	36.8	40.9	45.2	185	SMPC (TO-277A)	Yes
TPC47AHM3 A	1500	Unidirectional	40.2	44.7	49.4	185	SMPC (TO-277A)	Yes
TPC51AHM3 A	1500	Unidirectional	43.6	48.5	53.6	185	SMPC (TO-277A)	Yes
TPC6.8AHM3 A	1500	Unidirectional	5.8	6.45	7.14	185	SMPC (TO-277A)	Yes
TPC7.5AHM3 A	1500	Unidirectional	6.4	7.13	7.88	185	SMPC (TO-277A)	Yes
TPC8.2AHM3 A	1500	Unidirectional	7.02	7.79	8.61	185	SMPC (TO-277A)	Yes
TPC9.1AHM3 A	1500	Unidirectional	7.78	8.65	9.55	185	SMPC (TO-277A)	Yes
T15B12AHM3	1500	Unidirectional	10.2	11.4	12.6	185	SMB (D0-214AA)	Yes
T15B13AHM3	1500	Unidirectional	11.1	12.4	13.7	185	SMB (D0-214AA)	Yes
T15B15AHM3	1500	Unidirectional	12.8	14.3	15.8	185	SMB (D0-214AA)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	P_{PPM} at 10 x 1000 μ s (W)	TVS Polarity	Stand-Off Voltage V_{WM} (V)	Breakdown Voltage V_{BR} at I_T (V) Min.	Breakdown Voltage V_{BR} at I_T (V) Max.	T_J Max. (°C)	Package (JEDEC®) Code	Availability of Production Outside China
T15B16AHM3	1500	Unidirectional	13.6	15.2	16.8	185	SMB (D0-214AA)	Yes
T15B18AHM3	1500	Unidirectional	15.3	17.1	18.9	185	SMB (D0-214AA)	Yes
T15B20AHM3	1500	Unidirectional	17.1	19	21	185	SMB (D0-214AA)	Yes
T15B22AHM3	1500	Unidirectional	18.8	20.9	23.1	185	SMB (D0-214AA)	Yes
T15B24AHM3	1500	Unidirectional	20.5	22.8	25.2	185	SMB (D0-214AA)	Yes
T15B27AHM3	1500	Unidirectional	23.1	25.7	28.4	185	SMB (D0-214AA)	Yes
T15B30AHM3	1500	Unidirectional	25.6	28.5	31.5	185	SMB (D0-214AA)	Yes
T15B33AHM3	1500	Unidirectional	28.2	31.4	34.7	185	SMB (D0-214AA)	Yes
T15B36AHM3	1500	Unidirectional	30.8	34.2	37.8	185	SMB (D0-214AA)	Yes
T15B39AHM3	1500	Unidirectional	33.3	37.1	41	185	SMB (D0-214AA)	Yes
T15B43AHM3	1500	Unidirectional	36.8	40.9	45.2	185	SMB (D0-214AA)	Yes
T15B47AHM3	1500	Unidirectional	40.2	44.7	49.4	185	SMB (D0-214AA)	Yes
T15B51AHM3	1500	Unidirectional	43.6	48.5	53.6	185	SMB (D0-214AA)	Yes
T15B100CAHM3	1500	Bidirectional	85.5	95	105	185	SMB (D0-214AA)	Yes
T15B12CAHM3	1500	Bidirectional	10.2	11.4	12.6	185	SMB (D0-214AA)	Yes
T15B13CAHM3	1500	Bidirectional	11.1	12.4	13.7	185	SMB (D0-214AA)	Yes
T15B15CAHM3	1500	Bidirectional	12.8	14.3	15.8	185	SMB (D0-214AA)	Yes
T15B16CAHM3	1500	Bidirectional	13.6	15.2	16.8	185	SMB (D0-214AA)	Yes
T15B18CAHM3	1500	Bidirectional	15.3	17.1	18.9	185	SMB (D0-214AA)	Yes
T15B20CAHM3	1500	Bidirectional	17.1	19	21	185	SMB (D0-214AA)	Yes
T15B22CAHM3	1500	Bidirectional	18.8	20.9	23.1	185	SMB (D0-214AA)	Yes
T15B24CAHM3	1500	Bidirectional	20.5	22.8	25.2	185	SMB (D0-214AA)	Yes
T15B27CAHM3	1500	Bidirectional	23.1	25.7	28.4	185	SMB (D0-214AA)	Yes
T15B30CAHM3	1500	Bidirectional	25.6	28.5	31.5	185	SMB (D0-214AA)	Yes
T15B33CAHM3	1500	Bidirectional	28.2	31.4	34.7	185	SMB (D0-214AA)	Yes
T15B36CAHM3	1500	Bidirectional	30.8	34.2	37.8	185	SMB (D0-214AA)	Yes
T15B39CAHM3	1500	Bidirectional	33.3	37.1	41	185	SMB (D0-214AA)	Yes
T15B43CAHM3	1500	Bidirectional	36.8	40.9	45.2	185	SMB (D0-214AA)	Yes
T15B47CAHM3	1500	Bidirectional	40.2	44.7	49.4	185	SMB (D0-214AA)	Yes
T15B51CAHM3	1500	Bidirectional	43.6	48.5	53.6	185	SMB (D0-214AA)	Yes
T15B56CAHM3	1500	Bidirectional	47.8	53.2	58.8	185	SMB (D0-214AA)	Yes
T15B62CAHM3	1500	Bidirectional	53	58.9	65.1	185	SMB (D0-214AA)	Yes
T15B68CAHM3	1500	Bidirectional	58.1	64.6	71.4	185	SMB (D0-214AA)	Yes
T15B75CAHM3	1500	Bidirectional	64.1	71.3	78.8	185	SMB (D0-214AA)	Yes
T15B82CAHM3	1500	Bidirectional	70.1	77.9	86.1	185	SMB (D0-214AA)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	P _{PPM} at 10 x 1000 μ s (W)	TVS Polarity	Stand-Off Voltage V _{WM} (V)	Breakdown Voltage V _{BR} at I _T (V) Min.	Breakdown Voltage V _{BR} at I _T (V) Max.	T _J Max. (°C)	Package (JEDEC®) Code	Availability of Production Outside China
T15B91CAHM3	1500	Bidirectional	77.8	86.5	95.5	185	SMB (DO-214AA)	Yes
3KASMC10AHM3 B	3000	Unidirectional	10	11.1	12.3	185	SMC (DO-214AB)	Yes
3KASMC11AHM3 B	3000	Unidirectional	11	12.2	13.5	185	SMC (DO-214AB)	Yes
3KASMC12AHM3 B	3000	Unidirectional	12	13.3	14.7	185	SMC (DO-214AB)	Yes
3KASMC13AHM3 B	3000	Unidirectional	13	14.4	15.9	185	SMC (DO-214AB)	Yes
3KASMC14AHM3 B	3000	Unidirectional	14	15.6	17.2	185	SMC (DO-214AB)	Yes
3KASMC15AHM3 B	3000	Unidirectional	15	16.7	18.5	185	SMC (DO-214AB)	Yes
3KASMC16AHM3 B	3000	Unidirectional	16	17.8	19.7	185	SMC (DO-214AB)	Yes
3KASMC17AHM3 B	3000	Unidirectional	17	18.9	20.9	185	SMC (DO-214AB)	Yes
3KASMC18AHM3 B	3000	Unidirectional	18	20	22.1	185	SMC (DO-214AB)	Yes
3KASMC20AHM3 B	3000	Unidirectional	20	22.2	24.5	185	SMC (DO-214AB)	Yes
3KASMC22AHM3 B	3000	Unidirectional	22	24.4	26.9	185	SMC (DO-214AB)	Yes
3KASMC24AHM3 B	3000	Unidirectional	24	26.7	29.5	185	SMC (DO-214AB)	Yes
3KASMC26AHM3 B	3000	Unidirectional	26	28.9	31.9	185	SMC (DO-214AB)	Yes
3KASMC28AHM3 B	3000	Unidirectional	28	31.1	34.4	185	SMC (DO-214AB)	Yes
3KASMC30AHM3 B	3000	Unidirectional	30	33.3	36.8	185	SMC (DO-214AB)	Yes
3KASMC33AHM3 B	3000	Unidirectional	33	36.7	40.6	185	SMC (DO-214AB)	Yes
3KASMC36AHM3 B	3000	Unidirectional	36	40	44.2	185	SMC (DO-214AB)	Yes
3KASMC40AHM3 B	3000	Unidirectional	40	44.4	49.1	185	SMC (DO-214AB)	Yes
3KASMC43AHM3 B	3000	Unidirectional	43	47.8	52.8	185	SMC (DO-214AB)	Yes
SM5S10CAHM3	3600	Bidirectional	10	11.1	12.3	175	DO-218AB	Yes
SM5S11CAHM3	3600	Bidirectional	11	12.2	13.5	175	DO-218AB	Yes
SM5S12CAHM3	3600	Bidirectional	12	13.3	14.7	175	DO-218AB	Yes
SM5S13CAHM3	3600	Bidirectional	13	14.4	15.9	175	DO-218AB	Yes
SM5S14CAHM3	3600	Bidirectional	14	15.6	17.2	175	DO-218AB	Yes
SM5S15CAHM3	3600	Bidirectional	15	16.7	18.5	175	DO-218AB	Yes
SM5S16CAHM3	3600	Bidirectional	16	17.8	19.7	175	DO-218AB	Yes
SM5S17CAHM3	3600	Bidirectional	17	18.9	20.9	175	DO-218AB	Yes
SM5S18CAHM3	3600	Bidirectional	18	20	22.1	175	DO-218AB	Yes
SM5S20CAHM3	3600	Bidirectional	20	22.2	24.5	175	DO-218AB	Yes
SM5S22CAHM3	3600	Bidirectional	22	24.4	26.9	175	DO-218AB	Yes
SM5S24CAHM3	3600	Bidirectional	24	26.7	29.5	175	DO-218AB	Yes
SM5S26CAHM3	3600	Bidirectional	26	28.9	31.9	175	DO-218AB	Yes
SM5S28CAHM3	3600	Bidirectional	28	31.1	34.4	175	DO-218AB	Yes
SM5S30CAHM3	3600	Bidirectional	30	33.3	36.8	175	DO-218AB	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	P_{PPM} at 10 x 1000 μ s (W)	TVS Polarity	Stand-Off Voltage V_{WM} (V)	Breakdown Voltage V_{BR} at I_T (V) Min.	Breakdown Voltage V_{BR} at I_T (V) Max.	T_J Max. (°C)	Package (JEDEC®) Code	Availability of Production Outside China
SM5S33CAHM3	3600	Bidirectional	33	36.7	40.6	175	DO-218AB	Yes
SM5S36CAHM3	3600	Bidirectional	36	40	44.2	175	DO-218AB	Yes
SM5S40CAHM3	3600	Bidirectional	40	44.4	49.1	175	DO-218AB	Yes
SM5S43CAHM3	3600	Bidirectional	43	47.8	52.8	175	DO-218AB	Yes
SM5S45CAHM3	3600	Bidirectional	45	50	55.3	175	DO-218AB	Yes
SM5S48CAHM3	3600	Bidirectional	48	53.3	58.9	175	DO-218AB	Yes
SM5S51CAHM3	3600	Bidirectional	51	56.7	62.7	175	DO-218AB	Yes
SM5S54CAHM3	3600	Bidirectional	54	60	66.3	175	DO-218AB	Yes
SM5S58CAHM3	3600	Bidirectional	58	64.4	71.2	175	DO-218AB	Yes
SM5S60CAHM3	3600	Bidirectional	60	66.7	73.7	175	DO-218AB	Yes
SM5S64CAHM3	3600	Bidirectional	64	71.1	78.6	175	DO-218AB	Yes
SM5S70CAHM3	3600	Bidirectional	70	77.8	86	175	DO-218AB	Yes
SM5S75CAHM3	3600	Bidirectional	75	83.3	92.1	175	DO-218AB	Yes
SM5S78CAHM3	3600	Bidirectional	78	86.7	95.8	175	DO-218AB	Yes
SM5S85CAHM3	3600	Bidirectional	85	94.4	104	175	DO-218AB	Yes
SM8S10CAHM3	6600	Bidirectional	10	11.1	12.3	175	DO-218AB	Yes
SM8S11CAHM3	6600	Bidirectional	11	12.2	13.5	175	DO-218AB	Yes
SM8S12CAHM3	6600	Bidirectional	12	13.3	14.7	175	DO-218AB	Yes
SM8S13CAHM3	6600	Bidirectional	13	14.4	15.9	175	DO-218AB	Yes
SM8S14CAHM3	6600	Bidirectional	14	15.6	17.2	175	DO-218AB	Yes
SM8S15CAHM3	6600	Bidirectional	15	16.7	18.5	175	DO-218AB	Yes
SM8S16CAHM3	6600	Bidirectional	16	17.8	19.7	175	DO-218AB	Yes
SM8S17CAHM3	6600	Bidirectional	17	18.9	20.9	175	DO-218AB	Yes
SM8S18CAHM3	6600	Bidirectional	18	20	22.1	175	DO-218AB	Yes
SM8S20CAHM3	6600	Bidirectional	20	22.2	24.5	175	DO-218AB	Yes
SM8S22CAHM3	6600	Bidirectional	22	24.4	26.9	175	DO-218AB	Yes
SM8S24CAHM3	6600	Bidirectional	24	26.7	29.5	175	DO-218AB	Yes
SM8S26CAHM3	6600	Bidirectional	26	28.9	31.9	175	DO-218AB	Yes
SM8S28CAHM3	6600	Bidirectional	28	31.1	34.4	175	DO-218AB	Yes
SM8S30CAHM3	6600	Bidirectional	30	33.3	36.8	175	DO-218AB	Yes
SM8S33CAHM3	6600	Bidirectional	33	36.7	40.6	175	DO-218AB	Yes
SM8S36CAHM3	6600	Bidirectional	36	40	44.2	175	DO-218AB	Yes
SM8S40CAHM3	6600	Bidirectional	40	44.4	49.1	175	DO-218AB	Yes
SM8S43CAHM3	6600	Bidirectional	43	47.8	52.8	175	DO-218AB	Yes
SM8S45CAHM3	6600	Bidirectional	45	50	55.3	175	DO-218AB	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	P_{PPM} at 10 x 1000 μ s (W)	TVS Polarity	Stand-Off Voltage V_{WM} (V)	Breakdown Voltage V_{BR} at I_T (V) Min.	Breakdown Voltage V_{BR} at I_T (V) Max.	T_J Max. (°C)	Package (JEDEC®) Code	Availability of Production Outside China
SM8S48CAHM3	6600	Bidirectional	48	53.3	58.9	175	DO-218AB	Yes
SM8S51CAHM3	6600	Bidirectional	51	56.7	62.7	175	DO-218AB	Yes
SM8S54CAHM3	6600	Bidirectional	54	60	66.3	175	DO-218AB	Yes
SM8S58CAHM3	6600	Bidirectional	58	64.4	71.2	175	DO-218AB	Yes
SM8S60CAHM3	6600	Bidirectional	60	66.7	73.7	175	DO-218AB	Yes
SM8S64CAHM3	6600	Bidirectional	64	71.1	78.6	175	DO-218AB	Yes
SM8S70CAHM3	6600	Bidirectional	70	77.8	86	175	DO-218AB	Yes
SM8S75CAHM3	6600	Bidirectional	75	83.3	92.1	175	DO-218AB	Yes
SM8S78CAHM3	6600	Bidirectional	78	86.7	95.8	175	DO-218AB	Yes
SM8S85CAHM3	6600	Bidirectional	85	94.4	104	175	DO-218AB	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Protection Diodes >> ESD



High performance with high ESD robustness levels, and low capacitance and leakage for low loss high-speed interface solutions.

Part Number	Reverse Working Voltage (V)	Capacitance (pF)	Leakage Current (μA)	Peak Pulse Current 8/20 μs (*10/1000 μs) acc. IEC 61000-4-5 (A)	Peak Pulse Power 8/20 μs acc. IEC 61000-4-5 (W)	Protectable Lines	ESD Immunity acc. IEC 61000-4-2 (kV)	Max. Operating Junction Temperature (°C)	Package	Availability of Production Outside China
ESD Protection Diodes										
SMF5V0A-HM3	5	1120	5	21.7	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF6V0A-HM3	6	1063	26	19.4	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF6V5A-HM3	6.5	938	20	17.9	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF7V0A-HM3	7	843	3	16.7	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF7V5A-HM3	7.5	773	0.1	15.5	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF8V0A-HM3	8	706	0.1	14.7	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF8V5A-HM3	8.5	674	0.1	13.9	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF9V0A-HM3	9	640	0.1	13.5	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF10A-HM3	10	562	0.1	11.8	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF11A-HM3	11	509	0.1	11	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF12A-HM3	12	483	0.1	10.1	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF13A-HM3	13	423	0.1	9.3	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF14A-HM3	14	392	0.1	8.6	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF15A-HM3	15	367	0.1	8.2	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF16A-HM3	16	343	0.1	7.7	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF17A-HM3	17	324	0.1	7.2	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF18A-HM3	18	320	0.1	6.8	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF20A-HM3	20	283	0.1	6.2	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF22A-HM3	22	271	0.1	5.6	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF24A-HM3	24	244	0.1	5.1	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF26A-HM3	26	230	0.1	4.8	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF28A-HM3	28	227	0.1	4.4	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF30A-HM3	30	207	0.1	4.1	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF33A-HM3	33	198	0.1	3.8	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF36A-HM3	36	178	0.1	3.4	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF40A-HM3	40	172	0.1	3.1	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF43A-HM3	43	165	0.1	2.9	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF45A-HM3	45	162	0.1	2.8	1000	1	± 30	175	SMF (DO-219AB)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Part Number	Reverse Working Voltage (V)	Capacitance (pF)	Leakage Current (μA)	Peak Pulse Current 8/20 μs (*10/1000 μs) acc. IEC 61000-4-5 (A)	Peak Pulse Power 8/20 μs acc. IEC 61000-4-5 (W)	Protectable Lines	ESD Immunity acc. IEC 61000-4-2 (kV)	Max. Operating Junction Temperature (°C)	Package	Availability of Production Outside China
SMF48A-HM3	48	161	0.1	2.6	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF51A-HM3	51	151	0.1	2.4	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF54A-HM3	54	148	0.1	2.25	1000	1	± 30	175	SMF (DO-219AB)	Yes
SMF58A-HM3	58	144	0.1	2.1	1000	1	± 30	175	SMF (DO-219AB)	Yes



The DNA of tech.®

AUTOMOTIVE DIODES AND RECTIFIERS

FOR AEROSPACE AND DEFENSE APPLICATIONS

Zener Diodes

Zener diodes provide precise voltage regulation. Available in the eSMP® Series - SMF (DO-219AB) package.



Part Number	V_z Min. (V)	V_z Max. (V)	V_z Nom. (V)	I_{z1} (mA)	P_{tot} (mW)	V_z Specification	Package (JEDEC®) Code	Availability of Production Outside China
Zener Diodes								
BZD27B3V9P-HM3	3.82	3.98	3.9	100	150	Pulse current	SMF (DO-219AB)	Yes
BZD27B4V3P-HM3	4.21	4.39	4.3	100	150	Pulse current	SMF (DO-219AB)	Yes
BZD27B6V8P-HM3	6.66	6.94	6.8	100	150	Pulse current	SMF (DO-219AB)	Yes
BZD27C62P-HM3	58	66	62	10	150	Pulse current	SMF (DO-219AB)	Yes