



# FRED Pt<sup>®</sup> RECTIFIERS, AEC-Q101 QUALIFIED

## eSMP<sup>®</sup> Series Packages

FRED Pt<sup>®</sup> Rectifiers, in eSMP<sup>®</sup> Series Packages, AEC-Q101 Qualified

Device	Image	Package Type	$I_{F(AV)}$	$V_R$	$V_F$ at $I_F$		$I_R$ at $V_{RRM}$	$t_{rr}$	$I_{FSM}$	$T_J$ max.	AEC-Q101	Automotive Grade
			(A)	(V)	(V)	(A)	( $\mu$ A)	(ns)	(A)	( $^{\circ}$ C)		
<a href="#">VS-2EYH01HM3</a>		SlimSMAW (DO-221AD)	2	100	0.69	2	2	15	60	175	Yes	Yes
<a href="#">VS-2EYH02HM3</a>		SlimSMAW (DO-221AD)	2	200	0.69	2	2	15	60	175	Yes	Yes
<a href="#">VS-3EYH01HM3</a>		SlimSMAW (DO-221AD)	3	100	0.72	3	2	16	70	175	Yes	Yes
<a href="#">VS-3EYH02HM3</a>		SlimSMAW (DO-221AD)	3	200	0.72	3	2	16	70	175	Yes	Yes
<a href="#">VS-1EFH01HM3</a>		SMF (DO-219AB)	1	100	0.74	1	2	25	35	175	Yes	No
<a href="#">VS-1EFH02HM3</a>		SMF (DO-219AB)	1	200	0.74	1	2	25	35	175	Yes	No
<a href="#">VS-1EFU06HM3</a>		SMF (DO-219AB)	1	600	0.83	1	3	55	30	175	Yes	No
<a href="#">VS-2EFH01HM3</a>		SMF (DO-219AB)	2	100	0.75	2	2	25	50	175	Yes	No
<a href="#">VS-2EFH02HM3</a>		SMF (DO-219AB)	2	200	0.75	2	2	25	50	175	Yes	No
<a href="#">VS-2EFU06HM3</a>		SMF (DO-219AB)	2	600	0.95	2	3	55	30	175	Yes	No
<a href="#">VS-2EJH01HM3</a>		SlimSMA (DO-221AC)	2	100	0.72	2	2	25	65	175	Yes	No
<a href="#">VS-2EJH02HM3</a>		SlimSMA (DO-221AC)	2	200	0.72	2	2	25	65	175	Yes	No
<a href="#">VS-3EJH01HM3</a>		SlimSMA (DO-221AC)	3	100	0.74	3	2	30	85	175	Yes	No
<a href="#">VS-3EJH02HM3</a>		SlimSMA (DO-221AC)	3	200	0.74	3	2	30	85	175	Yes	No
<a href="#">VS-3EJU06HM3</a>		SlimSMA (DO-221AC)	3	600	0.99	3	3	50	43	175	Yes	No
<a href="#">VS-10CDU06HM3</a>		SMPD (TO-263AC)	10	600	1	10	3	35	110	175	Yes	No
<a href="#">VS-12CDU06HM3</a>		SMPD (TO-263AC)	12	600	0.89	6	5	45	200	175	Yes	No
<a href="#">VS-16CDH02HM3</a>		SMPD (TO-263AC)	16	200	0.77	8	2	27	190	175	Yes	No
<a href="#">VS-16CDU06HM3</a>		SMPD (TO-263AC)	16	600	0.94	8	5	45	200	175	Yes	No
<a href="#">VS-16EDH02HM3</a>		SMPD (TO-263AC)	16	200	0.75	16	15	32	250	175	Yes	No
<a href="#">VS-16EDH06HM3</a>		SMPD (TO-263AC)	16	600	1.24	16	20	30	160	175	Yes	No
<a href="#">VS-16EDU06HM3</a>		SMPD (TO-263AC)	16	600	0.91	16	15	55	160	175	Yes	No
<a href="#">VS-20CDH02HM3</a>		SMPD (TO-263AC)	20	200	0.77	10	2	25	210	175	Yes	No
<a href="#">VS-30CDU06HM3</a>		SMPD (TO-263AC)	30	600	0.9	15	15	55	300	175	Yes	No
<a href="#">VS-1EQH01HM3</a>			MicroSMP (DO-219AD)	1	100	0.72	1	1	33	30	175	Yes
<a href="#">VS-1EQH02HM3</a>	MicroSMP (DO-219AD)		1	200	0.72	1	1	33	30	175	Yes	Yes
<a href="#">VS-2EQH01HM3</a>	MicroSMP (DO-219AD)		2	100	0.82	2	1	33	30	175	Yes	Yes
<a href="#">VS-2EQH02HM3</a>	MicroSMP (DO-219AD)		2	200	0.82	2	1	33	30	175	Yes	Yes
<a href="#">VS-1ENH01HM3</a>		SMP (DO-220AA)	1	100	0.69	1	2	23	40	175	Yes	No
<a href="#">VS-1ENH02HM3</a>		SMP (DO-220AA)	1	200	0.69	1	2	23	40	175	Yes	No
<a href="#">VS-2ENH01HM3</a>		SMP (DO-220AA)	2	100	0.79	2	2	23	40	175	Yes	No
<a href="#">VS-2ENH02HM3</a>		SMP (DO-220AA)	2	200	0.79	2	2	23	40	175	Yes	No





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FRED Pt<sup>®</sup> Rectifiers, in eSMP<sup>®</sup> Series Packages, AEC-Q101 Qualified (continued)

Device	Image	Package Type	$I_{F(AV)}$	$V_R$	$V_F$ at $I_F$		$I_R$ at $V_{RRM}$	$t_{rr}$	$I_{FSM}$	$T_J$ max.	AEC-Q101	Automotive Grade
			(A)	(V)	(V)	(A)	( $\mu$ A)	(ns)	(A)	( $^{\circ}$ C)		
<a href="#">VS-4EVH01HM3</a>		SlimDPAK (TO-252AE)	4	100	0.71	4	3	16	100	175	Yes	Yes
<a href="#">VS-4EVH02HM3</a>		SlimDPAK (TO-252AE)	4	200	0.71	4	3	16	100	175	Yes	Yes
<a href="#">VS-6CVH01HM3</a>		SlimDPAK (TO-252AE)	6	100	0.75	6	5	20	70	175	Yes	Yes
<a href="#">VS-6CVH02HM3</a>		SlimDPAK (TO-252AE)	6	200	0.75	6	5	20	70	175	Yes	Yes
<a href="#">VS-6EVH06HM3</a>		SlimDPAK (TO-252AE)	6	600	1.26	6	5	16	70	175	Yes	Yes
<a href="#">VS-6EVL06HM3</a>		SlimDPAK (TO-252AE)	6	600	0.98	6	5	34	80	175	Yes	Yes
<a href="#">VS-6EVX06HM3</a>		SlimDPAK (TO-252AE)	6	600	1.26	6	5	14	50	175	Yes	Yes
<a href="#">VS-8CVH01HM3</a>		SlimDPAK (TO-252AE)	8	100	0.71	8	4	16	100	175	Yes	Yes
<a href="#">VS-8CVH02HM3</a>		SlimDPAK (TO-252AE)	8	200	0.71	8	4	16	100	175	Yes	Yes
<a href="#">VS-8EVH06HM3</a>		SlimDPAK (TO-252AE)	8	600	1.3	8	20	16	90	175	Yes	Yes
<a href="#">VS-8EVL06HM3</a>		SlimDPAK (TO-252AE)	8	600	0.98	8	5	34	130	175	Yes	Yes
<a href="#">VS-8EVX06HM3</a>		SlimDPAK (TO-252AE)	8	600	1.4	8	20	14	80	175	Yes	Yes
<a href="#">VS-10CVH01HM3</a>		SlimDPAK (TO-252AE)	10	100	0.74	10	4	16	100	175	Yes	Yes
<a href="#">VS-10CVH02HM3</a>		SlimDPAK (TO-252AE)	10	200	0.74	10	4	16	100	175	Yes	Yes
<a href="#">VS-15EVH06HM3</a>		SlimDPAK (TO-252AE)	15	600	1.2	15	20	20	120	175	Yes	Yes
<a href="#">VS-15EVL06HM3</a>	SlimDPAK (TO-252AE)	15	600	0.98	15	10	38	180	175	Yes	Yes	
<a href="#">VS-15EVU06HM3</a>	SlimDPAK (TO-252AE)	15	600	1.10	15	20	26	160	175	Yes	Yes	
<a href="#">VS-4CSH01HM3</a>		SMPC (TO-277A)	4	100	0.75	2	2	24	90	175	Yes	No
<a href="#">VS-4CSH02HM3</a>		SMPC (TO-277A)	4	200	0.75	2	2	24	90	175	Yes	No
<a href="#">VS-4ESH01HM3</a>		SMPC (TO-277A)	4	100	0.73	4	2	27	130	175	Yes	No
<a href="#">VS-4ESH02HM3</a>		SMPC (TO-277A)	4	200	0.73	4	2	27	130	175	Yes	No
<a href="#">VS-6CSH01HM3</a>		SMPC (TO-277A)	6	100	0.75	3	2	27	150	175	Yes	No
<a href="#">VS-6CSH02HM3</a>		SMPC (TO-277A)	6	200	0.75	3	2	27	150	175	Yes	No
<a href="#">VS-6ESH01HM3</a>		SMPC (TO-277A)	6	100	0.74	6	2	28	150	175	Yes	No
<a href="#">VS-6ESH02HM3</a>		SMPC (TO-277A)	6	200	0.74	6	2	28	150	175	Yes	No
<a href="#">VS-6ESH06HM3</a>		SMPC (TO-277A)	6	600	1.05	6	5	33	90	175	Yes	No
<a href="#">VS-6ESU06HM3</a>		SMPC (TO-277A)	6	600	0.95	6	5	42	120	175	Yes	No
<a href="#">VS-8CSH01HM3</a>		SMPC (TO-277A)	8	100	0.72	4	2	25	130	175	Yes	No
<a href="#">VS-8CSH02HM3</a>		SMPC (TO-277A)	8	200	0.72	4	2	25	130	175	Yes	No
<a href="#">VS-10CSH01HM3</a>		SMPC (TO-277A)	10	100	0.75	5	2	25	130	175	Yes	No
<a href="#">VS-10CSH02HM3</a>		SMPC (TO-277A)	10	200	0.75	5	2	25	130	175	Yes	No