



Surface-Mount TMBS[®] and Standard Rectifiers in DFN33A Package

Small dimensions of **3.3 mm x 3.3 mm** with typical height of 0.88 mm

Leadless package, sidewall tin plating design with wettable flanks and AOI capable

High current density and **high efficiency**

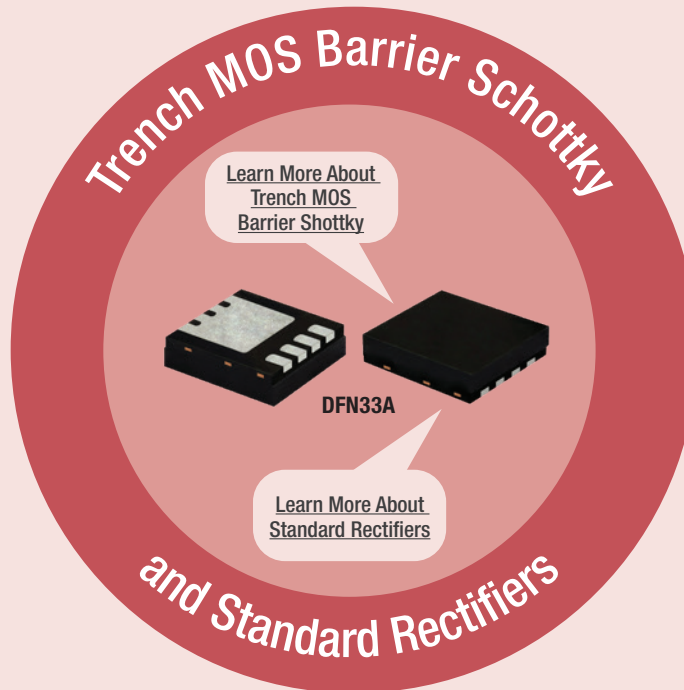
Current rating: **4 A to 9 A**

Reverse voltages: **60 V to 600 V**

Single circuit configuration

Wide temperature range: **-55 °C to +175 °C**

AEC-Q101 qualified and Vishay Automotive Grade available



APPLICATIONS

Telecom, industrial, automotive, cellular access point, DC/DC converter, reverse current / reverse polarity protection, freewheeling



AUTOMOTIVE



INDUSTRIAL



DC/DC
CONVERTERS



TELECOM
INFRASTRUCTURE

SPECIFICATIONS TABLE

Schottky Rectifiers					
Part Number	$I_{F(AV)}$ (A)	I_{FSM} (A)	V_{RRM} (V)	V_F at I_F (V)	T_J Max. (°C)
V5N3103	5	100	100	0.43	150
V5N3202	5	100	200	0.58	175
V5N3L63	5	101	60	0.34	150
V5N3M103	5	102	100	0.45	175
V5N3M153	5	103	150	0.54	175
V5N3M63	5	104	60	0.4	175
V6N3103	6	105	100	0.45	150
V6N3M103	6	106	100	0.48	175
V7N3103	7	107	100	0.45	150
V7N3L63	7	108	60	0.37	150
V7N3M103	7	109	100	0.49	175

Schottky Rectifiers					
Part Number	$I_{F(AV)}$ (A)	I_{FSM} (A)	V_{RRM} (V)	V_F at I_F (V)	T_J Max. (°C)
V7N3M153	7	110	150	0.56	175
V7N3M63	7	111	60	0.43	175
V8N3170	8	112	170	0.62	175
V8N3M103S	8	113	100	0.52	175
V9N3103	9	114	100	0.43	150
V9N3202	9	115	200	0.60	175
V9N3L63	9	116	60	0.36	150
V9N3M103	9	117	100	0.47	175
V9N3M153	9	118	150	0.56	175
V9N3M63	9	119	60	0.42	175

Standard Rectifiers					
Part Number	$I_{F(AV)}$ (A)	I_{FSM} (A)	V_{RRM} (V)	V_F at I_F (V)	T_J Max. (°C)
SE40N3D	4	70	200	0.84	175
SE40N3G	4	70	400	0.84	175
SE40N3J	4	70	600	0.84	175
SE60N3D	6	80	200	0.88	175
SE60N3G	6	80	400	0.88	175
SE60N3J	6	80	600	0.88	175

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