

60 V, 100 V, AND 150 V TMBS® RECTIFIERS DELIVER HIGH CURRENT RATINGS TO 7 A IN DFN3820A PACKAGE



FEATURES

- Low profile package - typical height of 0.88 mm
- Trench MOS Schottky technology
- Low power losses, high efficiency
- Low forward voltage drop
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C
- AEC-Q101 qualified available - Automotive ordering code; base P/NHM3
- Compatible to SMP (DO-220AA) package case outline

TYPICAL APPLICATIONS

- For use in low voltage, high frequency inverters, freewheeling, DC/DC converters, and polarity protection applications

Series		V2NL63, V3NL63, V5NL63, V7NL63	V2NM63, V3NM63, V5NM63, V7NM63	V2N103, V3N103, V5N103, V7N103	V2NM103, V3NM103, V5NM103, V7NM103	V2NM153, V3NM153, V5NM153, V7NM153
$I_{F(AV)}$ (A)		2, 3, 5, 7	2, 3, 5, 7	2, 3, 5, 7	2, 3, 5, 7	2, 3, 5, 7
V_R (V)		60	60	100	100	150
I_{FSM} (A)		50 - 120	50 - 120	50 - 120	50 - 120	50 - 120
V_F typ. (V) at	25 °C	0.5 - 0.52	0.58 - 0.59	0.6 - 0.64	0.63 - 0.67	0.85 - 0.9
	125 °C	0.45 - 0.48	0.5 - 0.64	0.54 - 0.57	0.55 - 0.58	0.62 - 0.64
I_R typ. (mA) at	125 °C	1.8 - 5	0.2 - 0.8	2.5 - 9	0.6 - 2.5	0.8 - 3
I_R max. (mA) at	25 °C	0.05 - 0.11	0.01 - 0.015	0.15 - 0.33	0.03 - 0.16	0.02 - 0.07
	125 °C	4 - 13	1 - 2.5	8 - 25	2 - 8	2 - 7
T_J max. (°C)		150	175	150	175	175

Source: <https://www.vishay.com>

Do not hesitate to contact us
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