



Small Signal Schottky and Switching Diodes

IN ULTRA COMPACT DFN PACKAGE WITH WETTABLE FLANKS

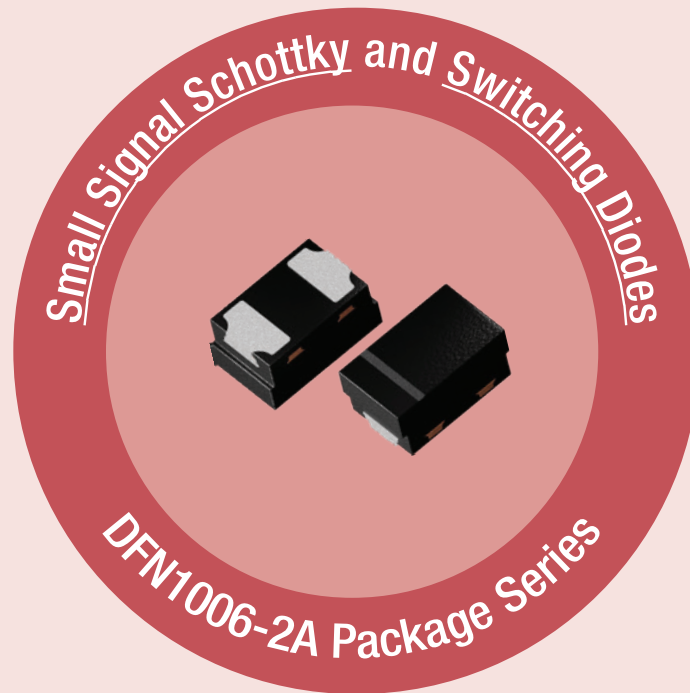
V 40 V Schottky and
100 V Switching Diodes

Ultra small package:
1 mm x 0.6 mm x 0.45 mm
with wettable flanks



Power
High power dissipation
and high reliability

T_J max. up to 175 °C



FEATURES

- Only 10 % PCB board space consumption compared with traditional SOD/T packages
- Better thermal / power performance than traditional SOD/T packages
- Soldering can be checked by standard visual inspection. No X-ray inspection necessary to meet automotive AOI requirements
- AEC-Q101 qualified and Automotive Grade available



APPLICATIONS



INDUSTRIAL



AUTOMOTIVE

Part Number	Type	I_F (A)	V_R (V)	I_{FSM} (A)		V_F at I_F and T_J			T_J max. (°C)	AEC-Q101
				(at 1 ms)	(at 10 ms)	V_F (V)	I_F (A)	T_A (°C)		
BAS16L-G3-08	Switching	0.25	100	1.7		0.86	0.01	25	150	No
BAS16L-HG3-08	Switching	0.25	100	1.7		0.86	0.01	25	150	Yes
BAS40L-G3-08	Schottky	0.2	40		0.5	0.56	0.01	25	150	No
BAS40L-HG3-08	Schottky	0.2	40		0.5	0.56	0.01	25	150	Yes
BAS16LTH-G3-08	Switching	0.25	100	1.7		0.86	0.01	25	175	No
BAS16LTH-HG3-08	Switching	0.25	100	1.7		0.86	0.01	25	175	Yes
BAS40LTH-G3-08	Schottky	0.2	40		0.5	0.56	0.01	25	175	No
BAS40LTH-HG3-08	Schottky	0.2	40		0.5	0.56	0.01	25	175	Yes

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