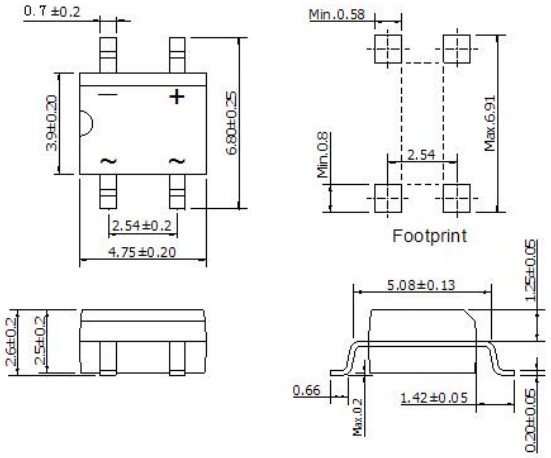
KMB14SL THRU KMB110SL

Low VF Schottky Bridge Rectifier

Features

- Ideal for printed circuit board
- Reliable low cost construction utilizing molded plastic technique
- High temperature soldering guaranteed: 260°/10 seconds at 5 lbs., (2.3kg) tension
- Small size, simple installation
- High surge current capability

MBS



Mechanical Data

Case : JEDEC MBS Molded plastic body
Terminals : Solder plated, solderable per MIL-STD-750,Method 2026
Polarity : Polarity symbol marking on body
Mounting Position : Any
Weight : 0.0035 ounce, 0.1 grams

Maximum Ratings And Electrical Characteristics

Ratings at 25°C ambient temperature unlss otherwise specified.

Single phase half-wave 60Hz,resistive or inductive load,for capacitive load current derate by 20%.

Parameter	Symbol	KMB14SL	KMB16SL	KMB110SL	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	40	60	100	V
Maximum RMS voltage	V_{RMS}	28	42	70	V
Maximum DC blocking voltage	V_{DC}	40	60	150	V
Maximum average forward output current @TL=100℃	$I_{F(AV)}$	1			A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	30			A
Maximum instantaneous forward voltage drop per leg at 1A	VF	0.44	0.625	0.75	V
Maximum DC reverse current at rated DC blocking voltage per leg	IR TJ=25℃ IR TJ=100℃	0.5 10			mA
Typical junction capacitance (Note1)	CJ	110			pF
Typical thermal resistance (Note2)	$R_{\theta JL}$	25			℃/W
Operating junction temperature range	TJ	-55 to +125			℃
Storage temperature range	T_{STG}	-55 to +150			℃

Notes:1. Measured at 1.0MHz and applied reverse voltage of 4.0AV DC.

2. Thermal Resistance junction to Lead.

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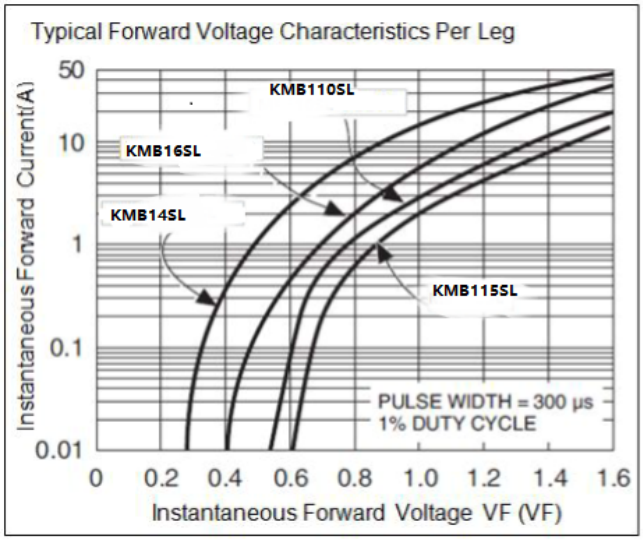
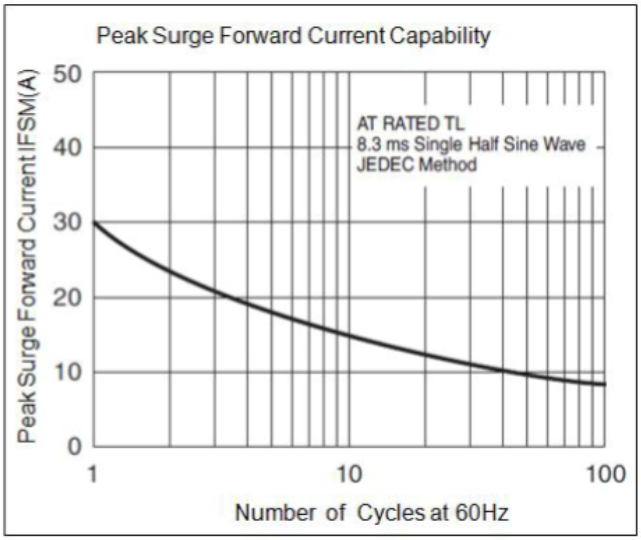
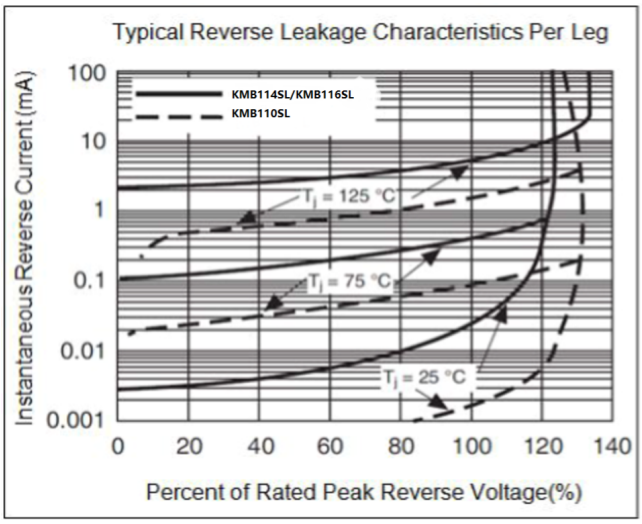
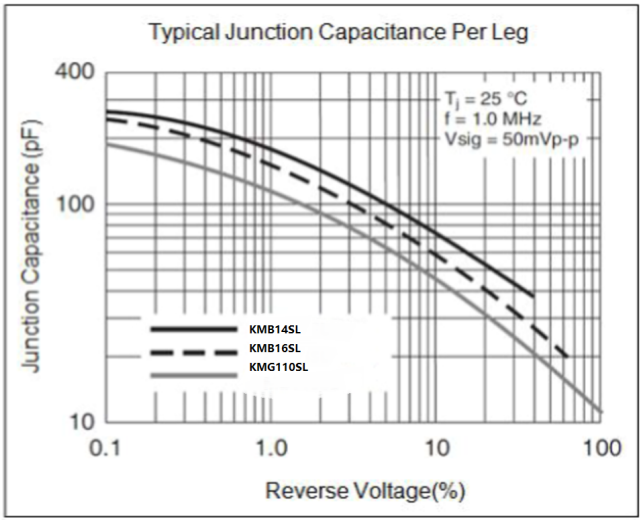
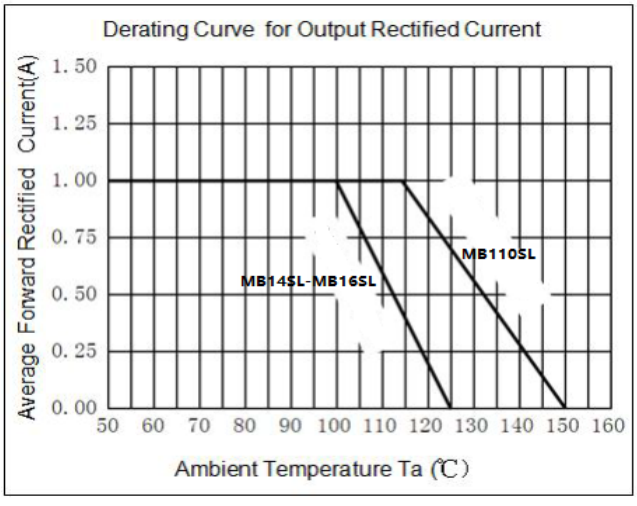
Ratings And Characteristic Curves











PACKAGE INFORMATION

Device	Package	Shipping
KMB14SL-KMB110SL	MBS	3000/Tape&Reel