CMMSH1-100GTR
SCHOTTKY RECTIFIER DIODES

Features

- Average Forward Current:$I_{F(AV)}$=1A
- Polarity: Color band denotes cathode



SOD-123FL



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
CMMSH1-100GTR	SOD-123FL	K110	3000

Maximum Ratings (Ta=25°C unless otherwise noted)

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

Type Number		Limit	Units
Maximum Recurrent Peak Reverse Voltage		100	V
Maximum RMS Voltage		70	V
Maximum DC Blocking Voltage		100	V
Maximum Average Forward Rectified Current See Fig. 1		1.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		30	A
Maximum Instantaneous Forward Voltage at 1.0A		0.85	V
Maximum DC Reverse Current	Ta=25°C	0.2	mA
at Rated DC Blocking Voltage	Ta=100°C	10	mA
Typical Junction Capacitance (Note1)		110	pF
Typical Thermal Resistance RqJA (Note 2)		80	°C/W
Operating Temperature Range T_J		-65 —+150	°C
Storage Temperature Range T_{STG}		-65 —+150	°C

Notes:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. Thermal Resistance Junction to Ambient.

Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

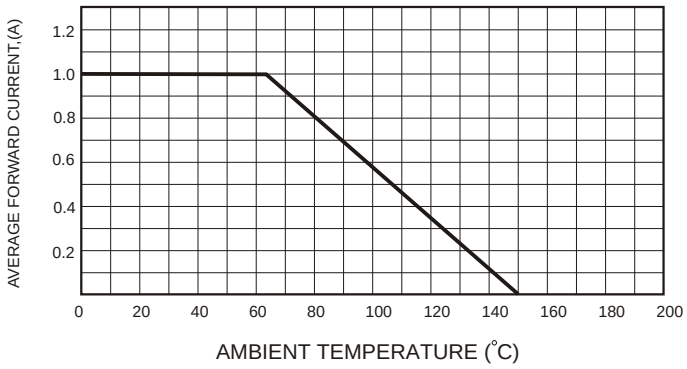


FIG.2-TYPICAL FORWARD CHARACTERISTICS

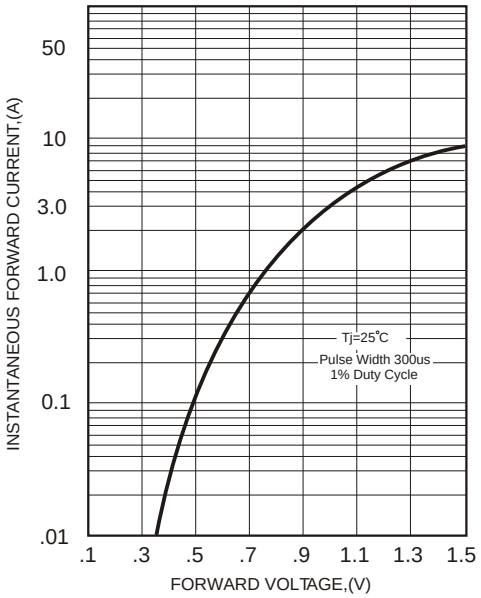


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

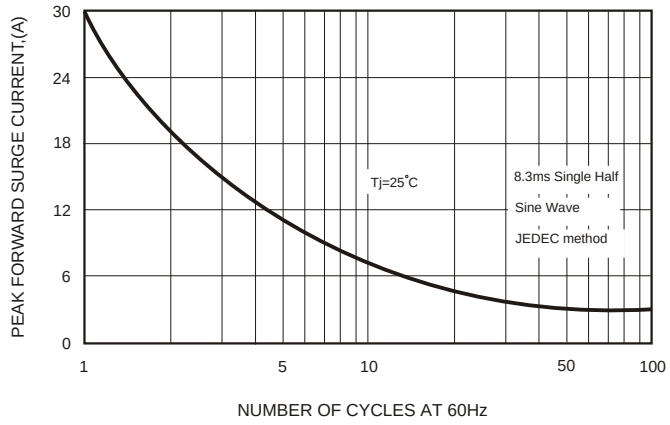


FIG.4-TYPICAL JUNCTION CAPACITANCE

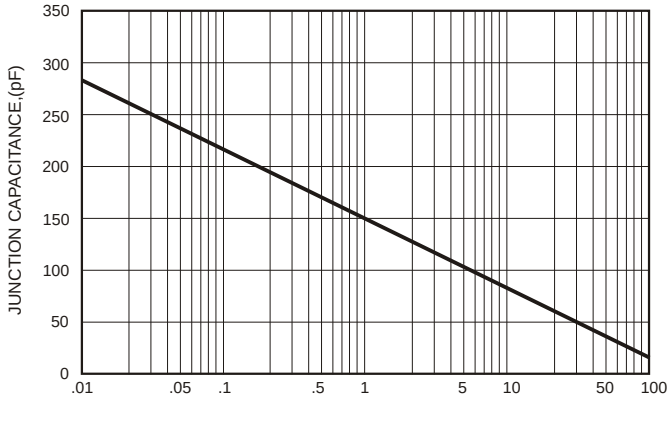
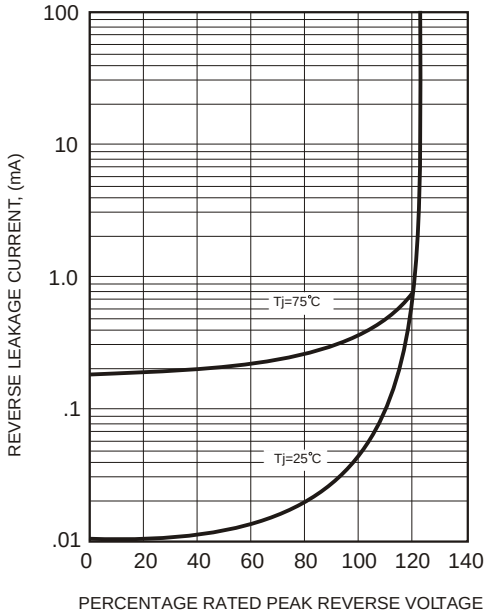
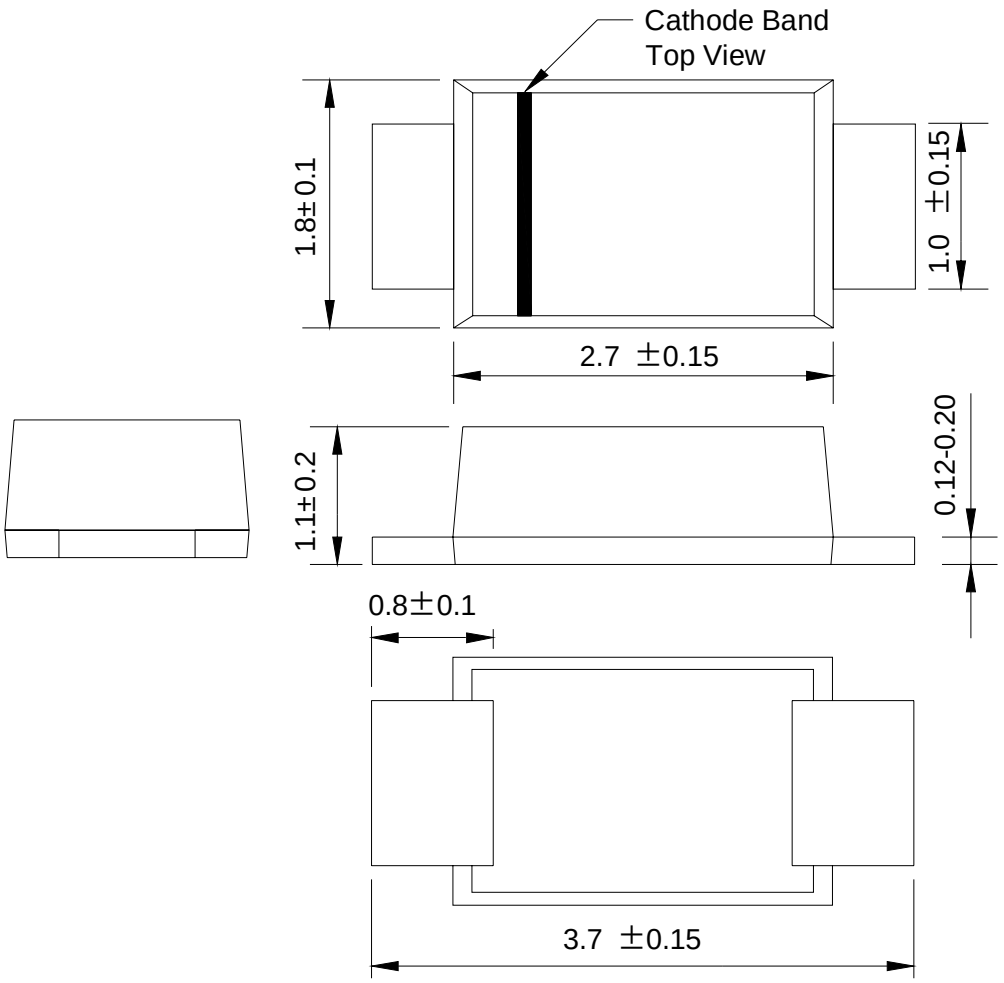


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



SOD-123FL Package Outline Dimensions



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HXY MOSFET:

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