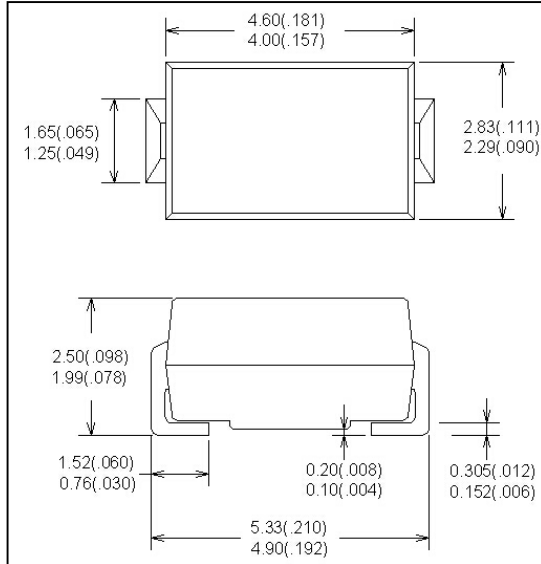


Package Outline Dimensions in mm (inches)

SMAS



1000V/1000V

Features

- Low profile package
- Glass passivated junction chip
- Low leakage current
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C
- Compliant to RoHS Directive 2002/95/EC and in accordance to WEEE 2002/96/EC

Typical Applications

- For use in general purpose rectification of power Supplies.

Mechanical Data

- Case:SMAS Plastic Package

Maximum ratings

Ratings at TA=25°C (unless otherwise specified)

Parameter	Symbol	M1KC	Unit
Maximum recurrent peak reverse voltage	V _{RRM}	1000	V
Maximum RMS voltage	V _{RMS}	700	V
Maximum DC blocking voltage	V _{DC}	1000	V
Storage temperature range	T _S	-55 ~ 150	°C
Operating Junction temperature range	T _J	-55 ~ 150	°C

Electrical characteristics

Ratings at TA=25°C (unless otherwise specified)

Parameter	Test Conditions	Symbol	M1KC	Unit
Minimum breakdown voltage	I _t =5.0uA	VB	1000	V
Maximum DC reverse current at rated DC blocking voltage	TA=25°C	IR	5.0	μA
	TA=125		50	