



Micro Commercial Components



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BAS48

Features

- High Reliability
Low Reverse Current and Low Forward Voltage
Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates Compliant. See ordering information)
Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -65°C to +125°C
Storage Temperature: -65°C to +150°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Test, Condition. Rows include Repetitive Peak Reverse Voltage, Average Forward Current, Peak Forward Surge Current, and Junction Ambient.

Note:1.Lead in Glass Exemption Applied, see EU Directive Annex 7(C)-I.

350mA Schottky Barrier Rectifier
40 Volts

MiniMELF

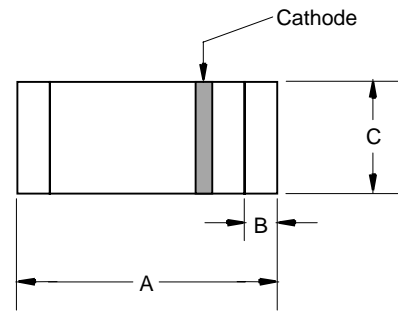
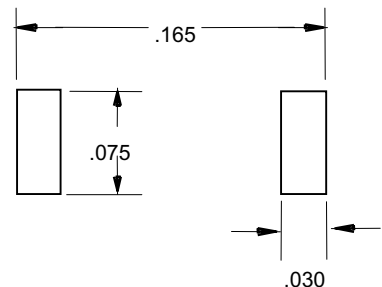


Table titled DIMENSIONS with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A, B, and C provide specific dimension values.

SUGGESTED SOLDER PAD LAYOUT



Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Test Conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F=1\text{mA}$	V_F	---	---	0.3	V
	$I_F=10\text{mA}$	V_F	---	---	0.4	V
	$I_F=200\text{mA}$	V_F	---	---	0.75	V
Reverse current	$V_R=40\text{V}$	I_R	---	---	25	μA
Junction capacitance	$V_R=1\text{V}, f=1\text{MHz}$	C_J	---	12	---	pF

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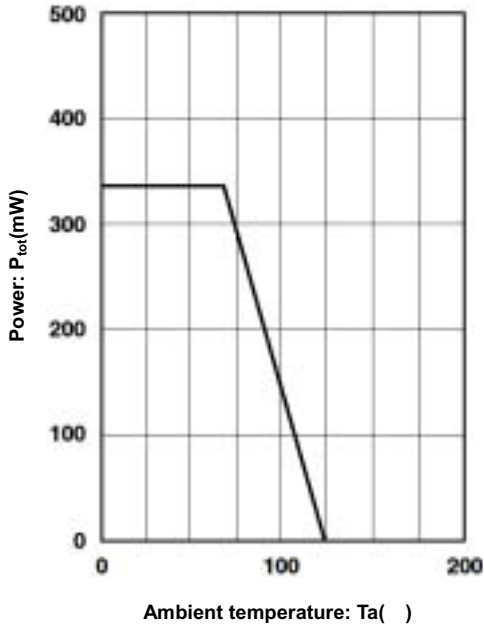


Figure 1. Admissible power dissipation vs. ambient temperature

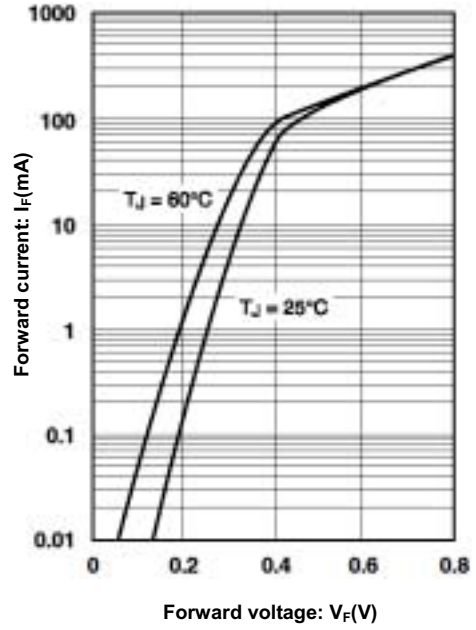


Figure 2. Forward characteristics

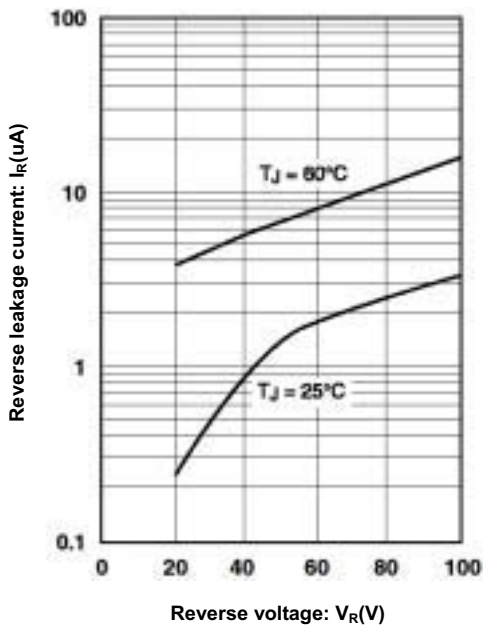


Figure 3. Typical reverse characteristics



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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