Obsolete

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

350mA Schottky Barrier Rectifier 40 Volts

Maximum Ratings

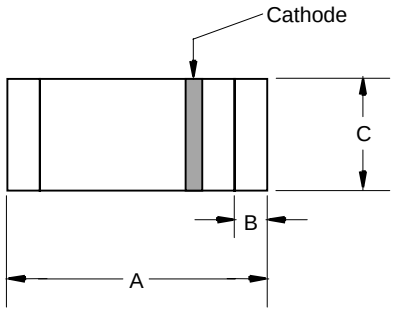
- Operating Temperature: -65°C to +125°C
- Storage Temperature: -65°C to +150°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Test	Condition
Repetitive Peak Reverse Voltage	V_{RRM}	40V	IR = 10 μA
Average Forward Current	$I_{F(AV)}$	0.35A	T_a = 25℃
Peak Forward Surge Current	I_{FSM}	7.5A	t_p ≦ 10ms
Junction Ambient	R_{thJA}	300K/W	On PC board 50mm×50mm ×1.6mm

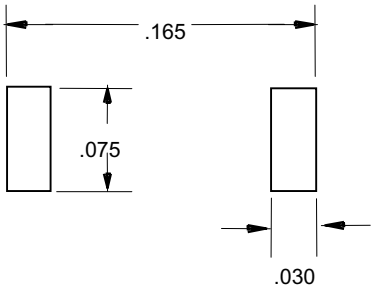
Note:1.Lead in Glass Exemption Applied, see EU Directive Annex 7(C)-I.

MiniMELF



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	.130	.146	3.30	3.70	
B	.008	.016	.20	.40	
C	.055	.059	1.40	1.50	∅

SUGGESTED SOLDER PAD LAYOUT



Electrical Characteristics @ 25°C Unless Otherwise Specified

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

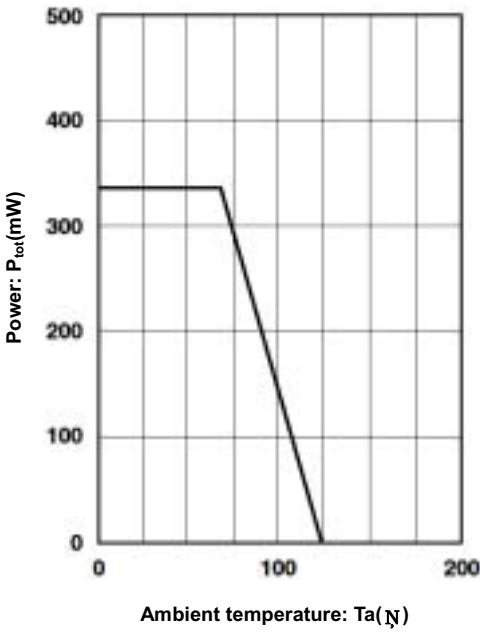


Figure 1. Admissible power dissipation vs. ambient temperature

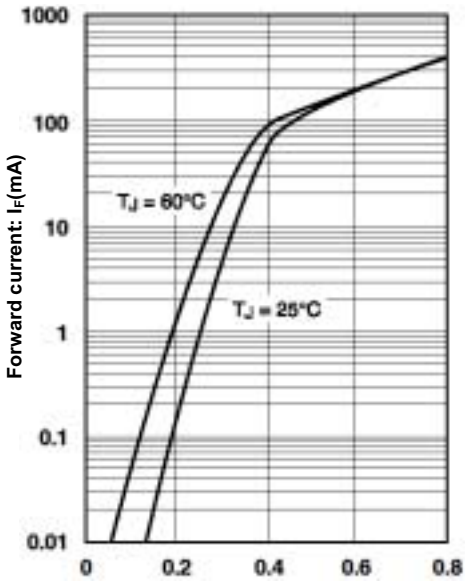


Figure 2. Forward characteristics

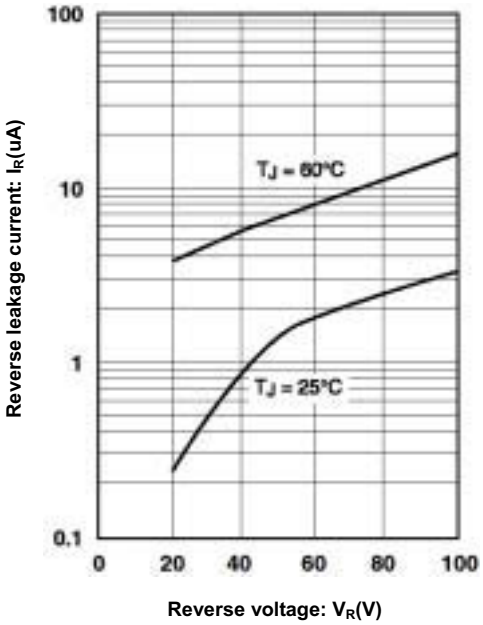


Figure 3. Typical reverse characteristics

Ordering Information :

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

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