

Features

- \bullet Protects From Line to V_{CC} And Line to Ground
- Epoxy Meets UL 94 V-0 Flammability Rating
- Moisure Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)
- · Low Forward Voltage and Reverse Recovery Characteristics
- Halogen Free. "Green" Device (Note 1)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 430°C/W Junction to Ambient

MCC Part Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum DC Blocking Voltage
BAS70L2	73	70V	70V

Electrical Characteristics @ 25°C Unless Otherwise Specified

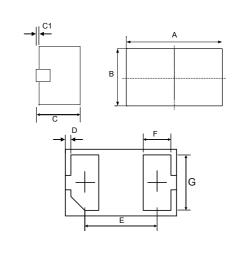
Forward Continuous Current	I _F	70mA	
Peak Forward Surge Current	I _{FSM}	100mA	(t<1s)
Power Dissipation	P _D	200mW	
Reverse Breakdown Voltage	V _(BR)	70V	I _R =10μA
Maximum Instantaneous Forward Voltage	V _F	0.41V 1.0V	I _F =1mA* I _F =15mA*
Leakage Current	I _R	10nA(Typ) 0.2µA(Max)	V _R =50V*
Typical Junction Capacitance	CJ	2pF	V _R =0V, f=1MHZ
Maximum Reverse Recovery Time	T _{RR}	5ns	$I_R = I_F = 10 \text{mA}$ $I_{RR} = 0.1 \text{x} I_R$ $R_L = 100 \Omega$

^{*}Pulse Test tp < 300µs

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

Surface Mount Schottky Barrier Diode 200 mWatt

DFN1006-2L

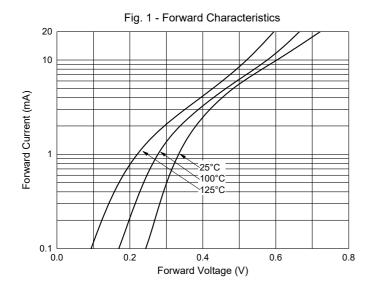


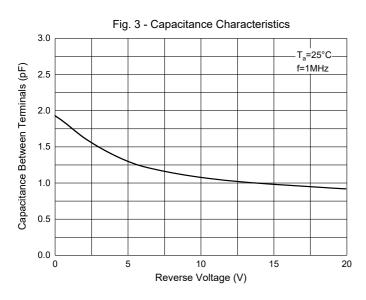


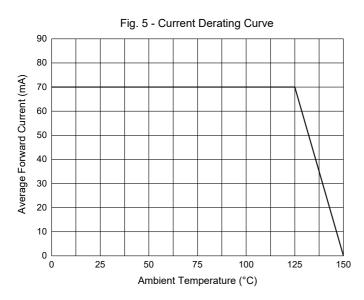
DIMENSIONS								
DIM	INCHES		MM		NOTE			
	MIN	MAX	MIN	MAX	NOTE			
Α	0.037	0.041	0.95	1.05				
В	0.022	0.026	0.55	0.65				
С	0.016	0.020	0.40	0.50				
C1		0.002		0.05				
D	0.001	0.003	0.02	0.08				
Е	0.026BSC		0.65BSC					
F	0.008	0.012	0.20	0.30				
G	0.018	0.022	0.45	0.55				

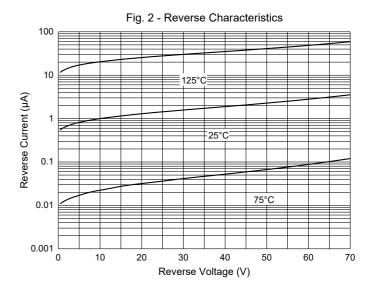


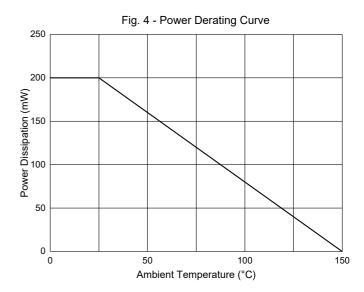
Curve Characteristics













Ordering Information

Device	Packing	
Part Number-TP	Tape&Reel10Kpcs/Reel	

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