



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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BAS70/-04/-05/-06-G

Reverse Voltage: 70 Volts
Forward Current: 70 mA
RoHS Device

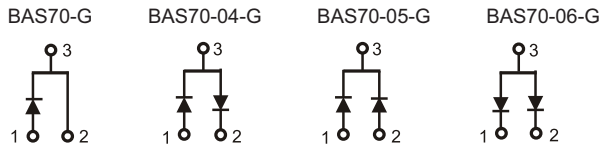
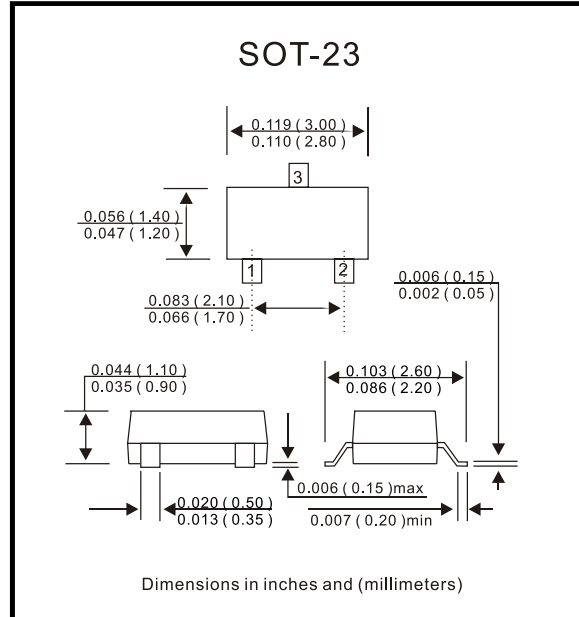


Features

- Designed for mounting on small surface.
- High speed switching application, circuit protection.
- Low turn-on voltage

Mechanical data

- Case: SOT-23, molded plastic.
- Terminals: Solder plated, solderable per MIL-STD-750, method 208.
- Approx. weight: 0.008 gram



Maximum Ratings and Electrical Characteristics (at Ta = 25°C unless otherwise noted)

Parameter	Condition	Symbol	Value	Unit
Repetitive peak reverse voltage		VRRM	70	V
Reverse voltage		VR	70	V
Forward current		IF	70	mA
Surge peak forward current	T < 1.0 sec	IFSM	0.1	A
Power dissipation		Pd	200	mW
Maximum forward voltage	@ IF = 1.0 mA, tp < 300us @ IF = 15 mA, tp < 300us	VF	0.41 1.0	V
Maximum reverse current	@ VR = 50V	IR	0.1	uA
Max reverse recovery time	Note 1	Trr	2	nS
Maximum diode capacitance	VR=0V, f=1MHz	CT	5	pF
Max. junction temperature		Tj	125	°C
Storage temperature		TSTG	-65 to +150	°C

Note1: IF=10mA through IR=10mA to IR=1.0mA, RL=100 ohms

RATING AND CHARACTERISTIC CURVES (BAS70/-04/-05/-06-G)

Fig. 1 - Forward characteristics

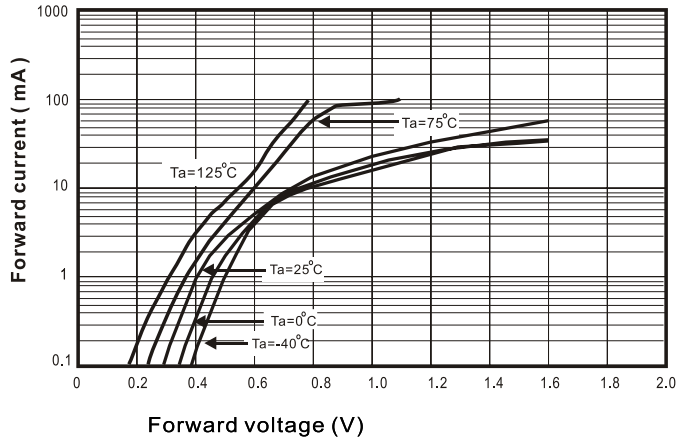


Fig. 2 - Reverse characteristics

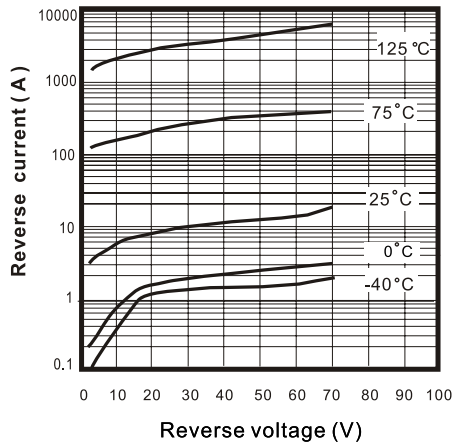


Fig. 3 - Capacitance between terminals characteristics

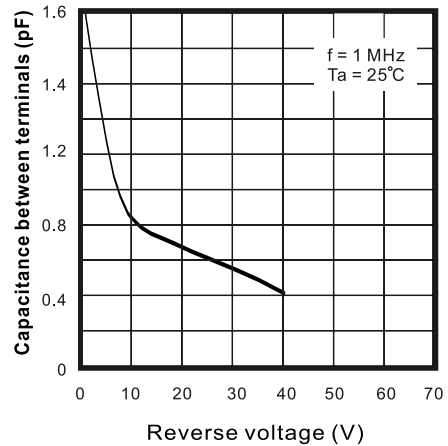


Fig. 4 - Power Derating Curve

