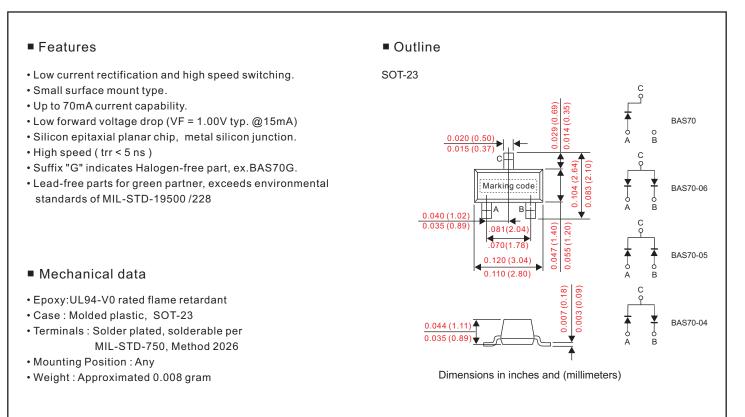
# citc

# BAS70/04/05/06

### 70mA Surface Mount Small Signal Diodes



#### Maximum ratings and electrical characteristics

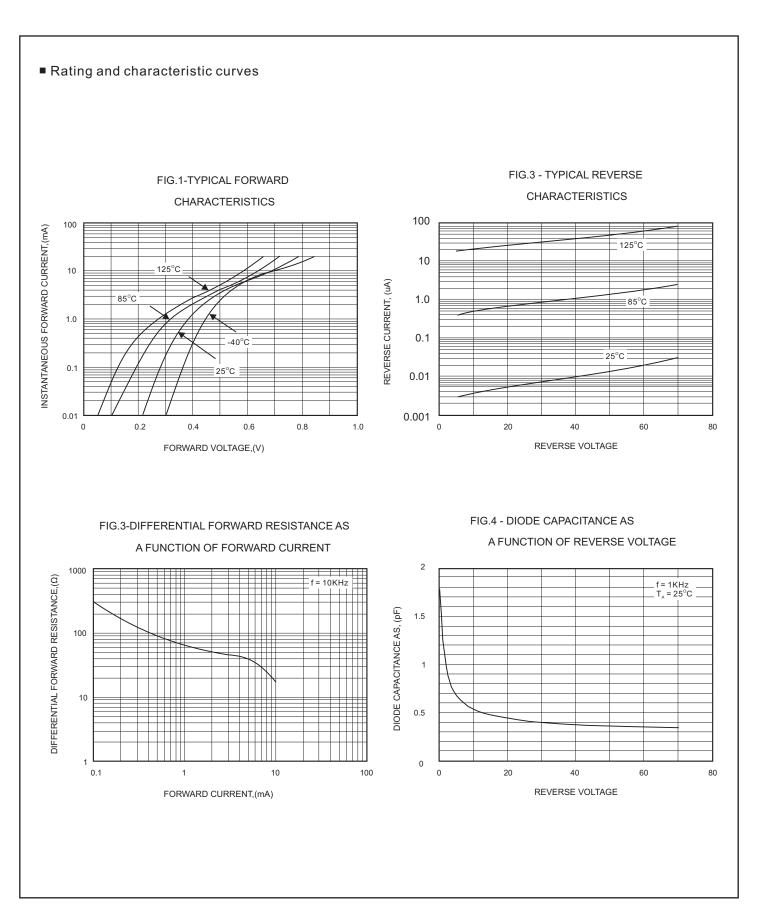
Rating at  $25^{\circ}$ C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	BAS70	BAS70-04	BAS70-05	BAS70-06	UNIT
Marking code		73, BE	74, CG	75, EH	76, GK	
Peak Repetitive Reverse Voltage	V <sub>RRM</sub>					
Work Peak Reverse Voltage	V <sub>RRM</sub>	70				V
DC Reverse Voltage	V <sub>R</sub>					v
RMS Reverse Voltage	V <sub>R(RMS)</sub>	49				
Forward Continuous Current(1)	I <sub>F(AV)</sub>	70				mAdc
Non-Repetitive Peak Forward Surge Current @tp < 1.0s	I <sub>FSM</sub>	100				mAdc
Power Dissipation(1)	PD	200				mW
Thermal Resistance Junction to Ambient Air	R <sub>eja</sub>	625				°C/W
Junction and Storage Temperature	T <sub>J</sub> , T <sub>STG</sub>	-65 ~ +150				°C
Characteristic			Symbo	MIN.	MAX.	UNIT
Reverse Breakdown Voltage	I( <sub>BR</sub> ) = 10uAdc		V <sub>(BR)</sub>	70		Vdc
Reverse Voltage Leakage Current	$V_{R} = 50 V dc$		I <sub>R</sub>		0.1	uAdc
Total Capacitance	$V_{R} = 0, f = 1.0 MHz$		C		2.0	pF
Forward Voltage	I <sub>F</sub> = 1.0mAdc		V <sub>F</sub>		410	mVdc
	I <sub>F</sub> = 15m/	15mAdc			1000	
Reverse Recovery Time $I_F = I_R = 10 \text{ mAdc}, V_R = 5.0 \text{ Vdc}, I_{R(REC)} = 1.0 \text{ mAdc}, R_L = 100 \Omega$			00Ω trr		5.0	nS
NOTE: 1.Valid provided that terminals are kept at ambient tem 2.Test period < 300us.	perature.			-		



## BAS70/04/05/06

#### 70mA Surface Mount Small Signal Diodes

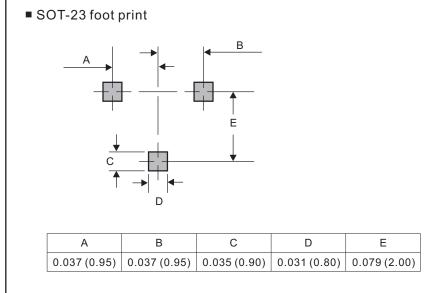


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### BAS70/04/05/06

#### 70mA Surface Mount Small Signal Diodes



Dimensions in inches and (millimeters)

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