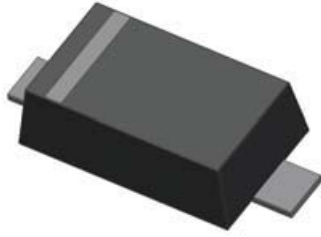


BAS70X

Schottky Barrier Diode



Features

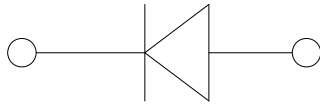
- V_R 70V
- I_F 70mA

Typical Applications

- Low Forward Voltage Drop

Mechanical Data

- **Package:** SOD523
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end
- **Marking:** K73



■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	Limit Max
Power Dissipation	P_D	mW		150
Storage Temperature	T_{stg}	°C		-55 to +150
Junction Temperature	T_J	°C		125
DC Reverse Voltage	V_R	V		70
Average Rectified Forward Current	I_{FAV}	mA		70
Non-Repetitive Peak Forward Surge Current @ $t = 8.3ms$	IFSM	A		0.1

■ Electrical Characteristics ($T_a=25^\circ C$ Unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	Max
Breakdown Voltage	V_R	V	$I_R=10\mu A$	70	
Reverse Leakage Current	I_R	nA	$V_R=50V$		100
Forward Voltage ²	V_F	V	$I_F=1mA$		0.41
			$I_F=15mA$		1
Reverse Recovery Time	T_{rr}	ns	$I_F=I_R=10mA$ to $I_R=1mA, R_L=100\Omega$		5
Capacitance	C_j	pF	$V_R=1V, f=1MHz$		2

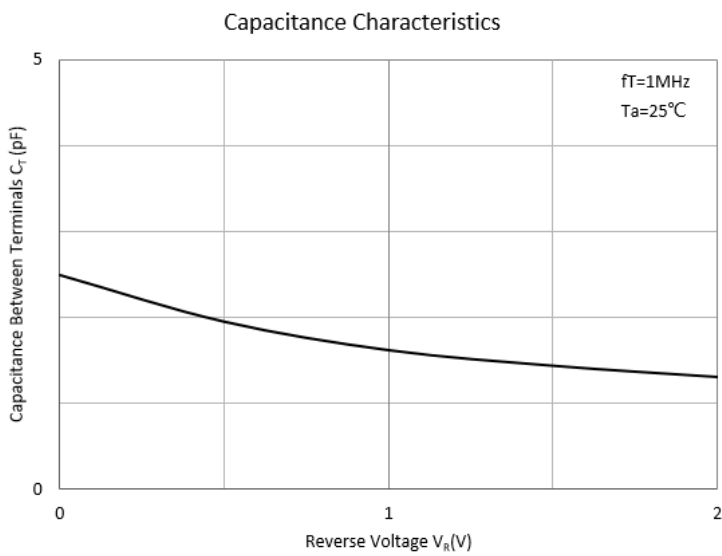
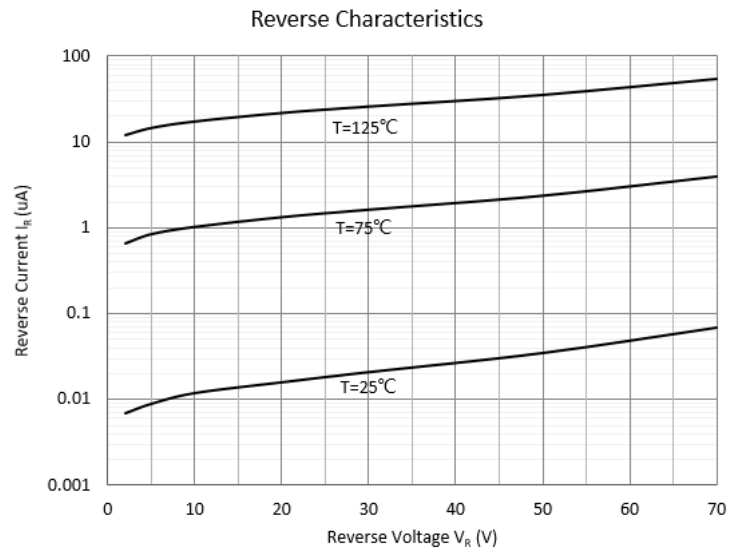
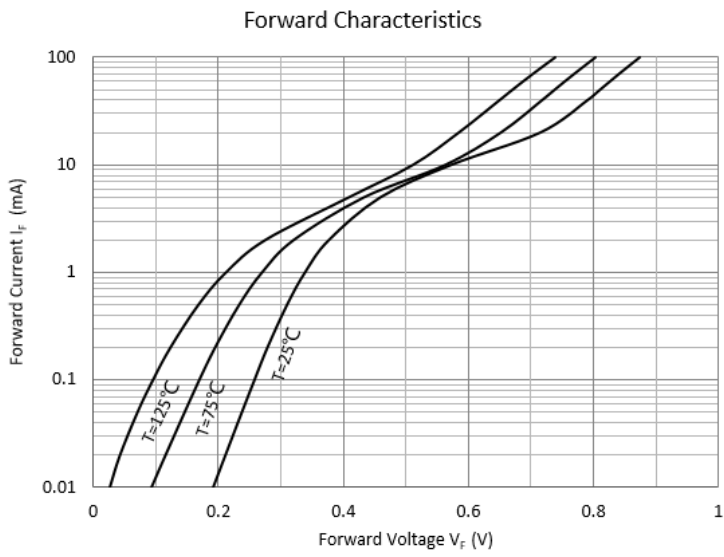
■ Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAS70X	F2	Approximate 0.0025	8000	80000	320000	7" reel

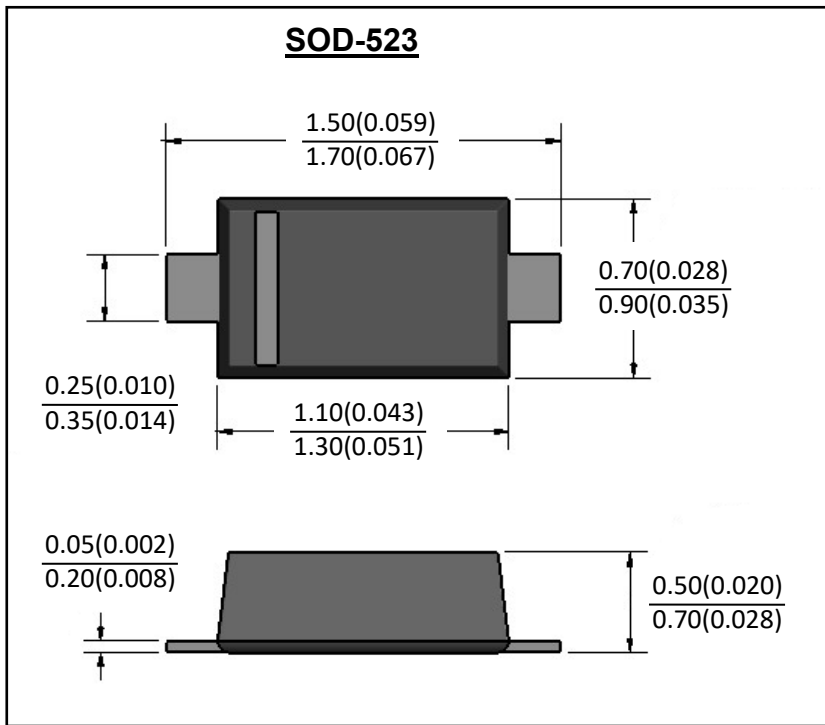


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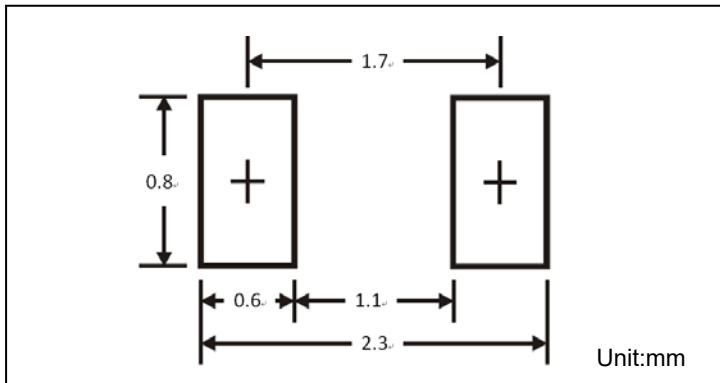
■ Characteristics(Typical)



■ Outline Dimensions



■ Soldering Footprint





BAS70X

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