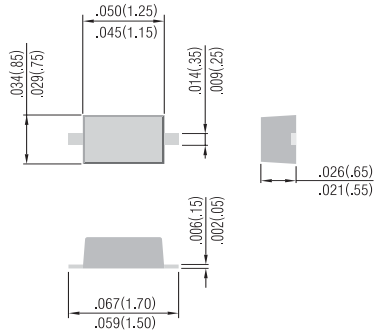
PANJIT SEMI CONDUCTOR

BAS70TS

SURFACE MOUNT SCHOTTKY DIODES

VOLTAGE 70 Volts **CURRENT** 0.2 Amperes

SOD-523 Unit: inch (mm)



FEATURES

- Fast switching speed
- Surface mount package ideally suited for automatic insertion
- High conductor
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case: SOD-523, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.002 gram
- Marking: 70

ABSOLUTE RATINGS

PARAMETER	Symbol	Value	Units
Reverse Voltage	V_R	70	V
Peak Reverse Voltage	V_{RRM}	70	V
Average Rectified Current at Temp=25°C	$I_{F(AV)}$	0.2	A
Non-repetitive Peak Forward Surge Current at t=1.0 s	I_{FSM}	0.6	A

ELECTRICAL AND THERMAL CHARACTERISTICS

PARAMETER	Symbol	Test Condition	MIN.	TYP.	MAX.	Units
Power Dissipation	P_{TOT}	150	-	-	-	mW
Thermal Resistance , Junction to Ambient	$R_{\theta JA}$	667	-	-	-	°C/W
Junction Temperature	T_J	150	-	-	-	°C
Storage Temperature at Temp=25°C	T_{STG}	-55 to 150	-	-	-	°C
Reverse Breakdown Voltage	$V_{(BR)}$	I_R=10uA	70	-	-	V
Reverse Current	I_R	V_R=70V V_R=50V	-	-	1.0 0.1	uA
Forward Voltage	V_F	I_F=1.0mA I_F=10mA	-	-	0.41 0.75 1.00	V
Maximum Junction Capacitance	C_J	VR=0V,f=1.0MH$_Z$	-	-	2.0	pF

BAS70TS

ELECTRICAL CHARACTERISTICS CURVE

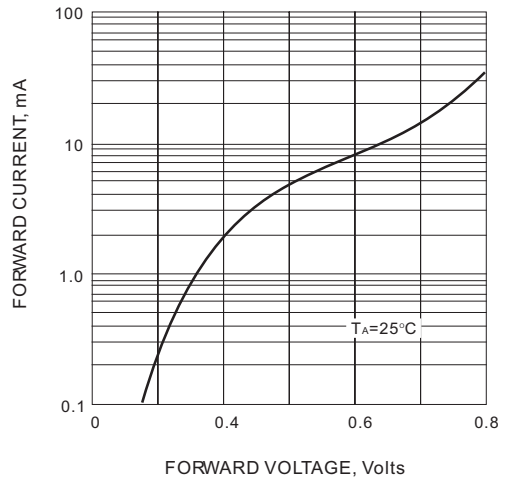


FIG. 1-TYPICAL FORWARD CHARACTERISTIC

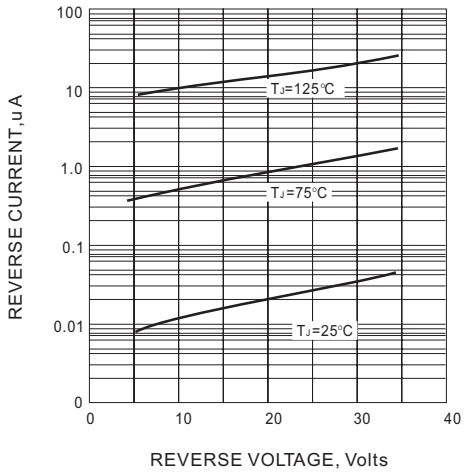


FIG. 2-TYPICAL REVERSE CHARACTERISTICS

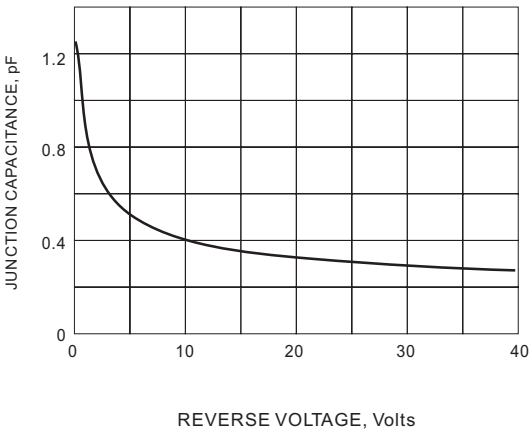


FIG. 3 TYPICAL JUNCTION CAPACITANCE

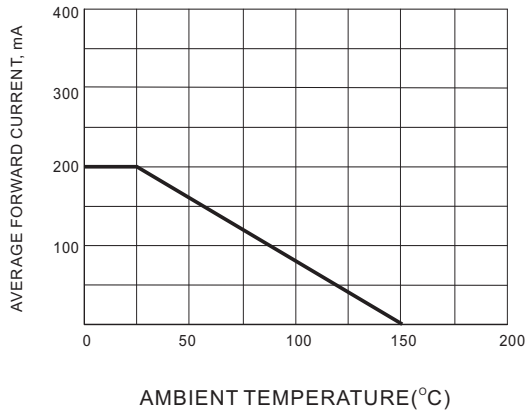
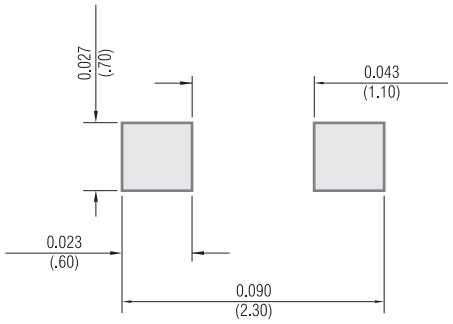


FIG. 4 FORWARD CURRENT DERATING

BAS70TS

MOUNTING PAD LAYOUT

SOD-523 Unit: inch (mm)



ORDER INFORMATION

- Packing information

  T/R - 12K per 13" plastic Reel

  T/R - 5K per 7" plastic Reel

LEGAL STATEMENT

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