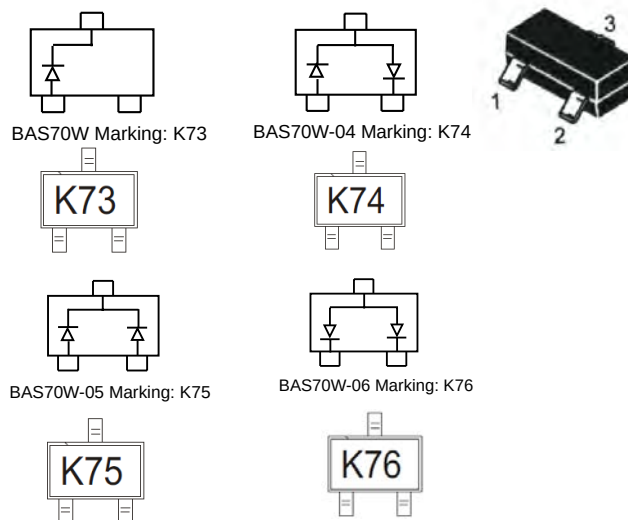


PRIMARY CHARACTERISTICS	
P_D	200mW
V_{RRM}	70V
I_F	70mA
$V_F @ I_F = 1mA$	410mV
$T_{J \text{ Max}}$	125°C

FEATURES

- Low Turn-on voltage
- Fast Switching
- Also available in lead free version
- Moisture Sensitivity Level 1

SOT-323 PACKAGE



MECHANICAL DATA

- Case : Molded plastic,SOT-323
- Polarity : Shown above
- Terminals :Plated terminals,
solderable per MIL-STD-750,Method
2026
- Epoxy : UL94-V0 rated flame
retardant

MAXIMUM RATINGS @T_A=25°C

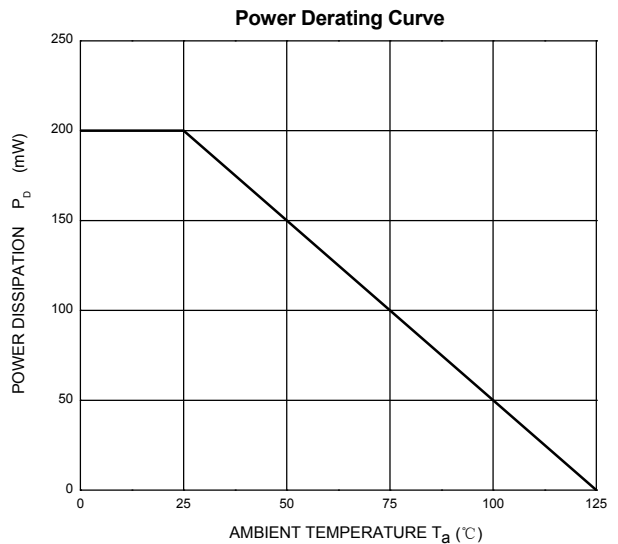
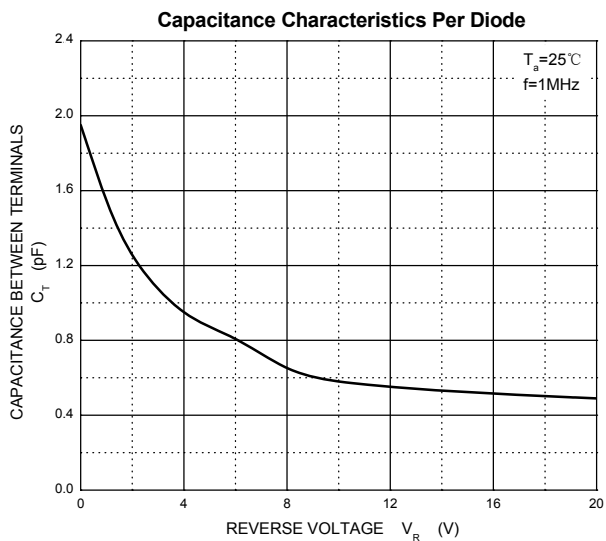
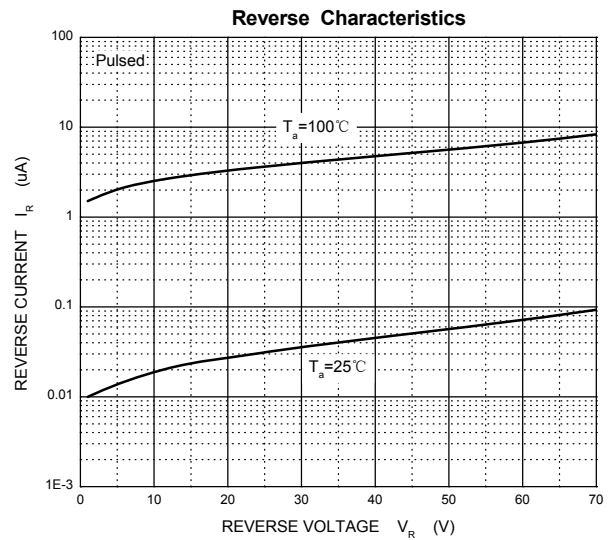
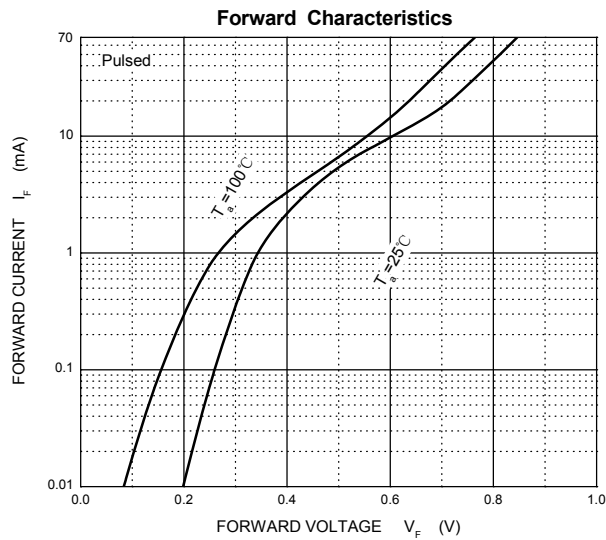
Symbol	Parameter	Value	Units
V_R	DC Voltage	70	V
I_F	Forward Continuous Current	70	mA
P_D	Power dissipation	200	mW
T_J	Operating Temperature	-55~125	°C
T_{sta}	Storage Temperature	-55-150	°C

ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	$I_R=10\mu A$	70		V
Reverse voltage leakage current	I_R	$V_R=50V$		100	nA
Forward voltage	V_F	$I_F=1mA$ $I_F=15mA$		410 1000	mV
Diode capacitance	C_D	$V_R=0V, f=1MHz$		2	pF
Reveres recovery time	t_{rr}	$I_F=I_R=10mA, I_{rr}=0.1 \times I_R,$ $R_L=100\Omega$		5	nS

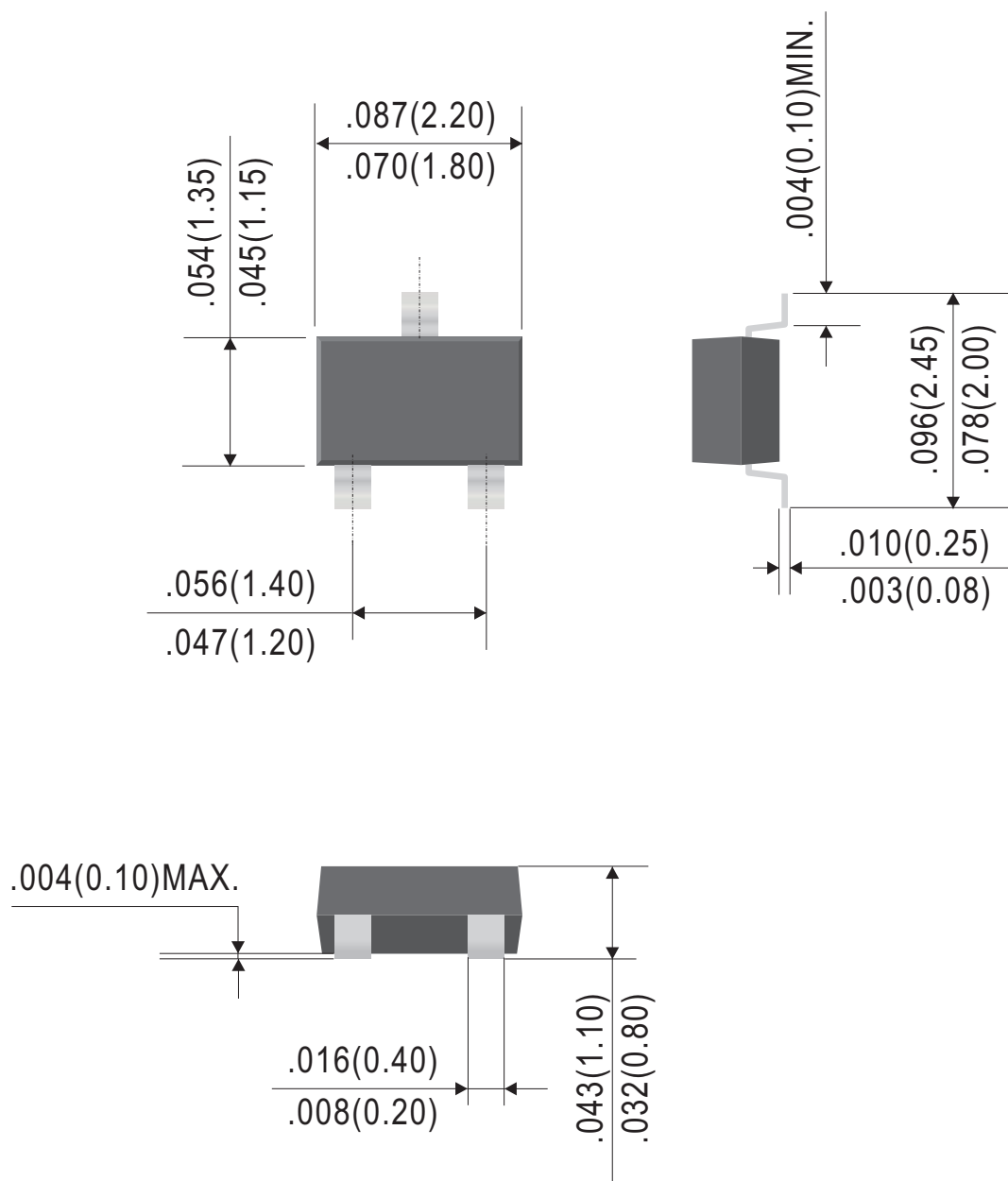


Typical Characteristics



Outline Drawing

SOT-323

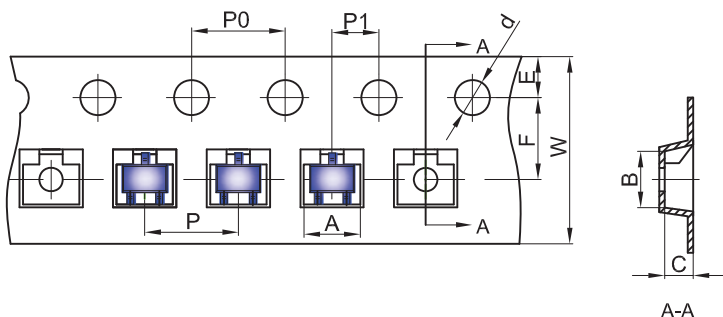


Dimensions in inches and (millimeters)

Rev.D

Rev.J03

SOT-323 Embossed Carrier Tape

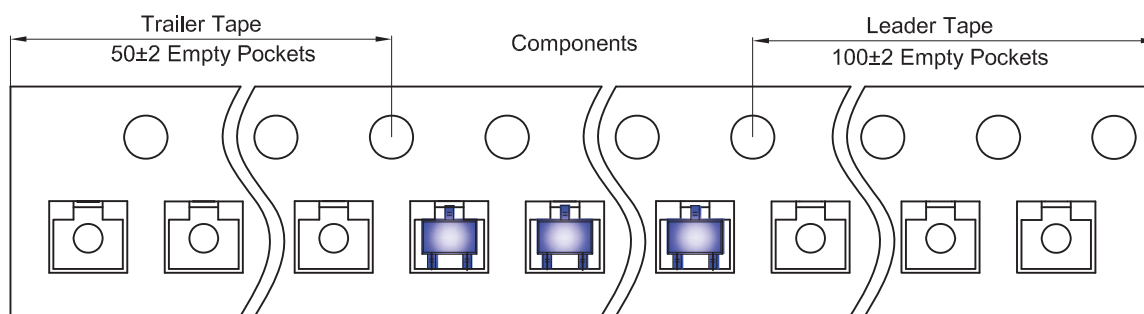


Packaging Description:

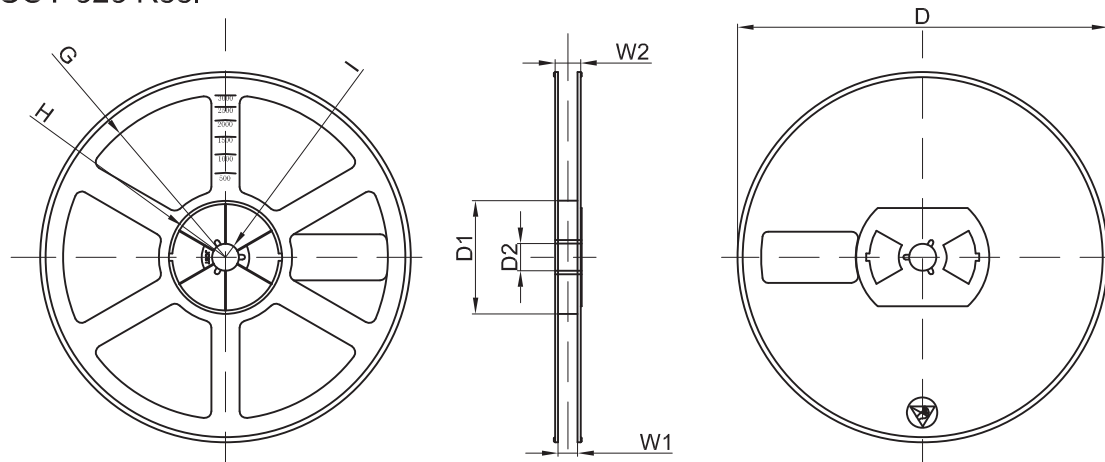
SOT-323 parts are shipped in tape. The carrier tape is made from a dissipative (carbon filled) polycarbonate resin. The cover tape is a multilayer film (Heat Activated Adhesive in nature) primarily composed of polyester film, adhesive layer, sealant, and anti-static sprayed agent. These reeled parts in standard option are shipped with 3,000 units per 7" or 17.8cm diameter reel. The reels are clear in color and is made of polystyrene plastic (anti-static coated).

[illegible]

SOT-323 Tape Leader and Trailer



SOT-323 Reel

[illegible]

REEL	Reel Size	Box	Box Size(mm)	Carton	Carton Size(mm)	G.W.(kg)
3000 pcs	7 inch	45,000 pcs	203×203×195	180,000 pcs	438×438×220	

Device PN	Packing
Part Number -T ⁽¹⁾ G ⁽²⁾ -WS	Tape&Reel: 3 Kpcs/Reel

(2) RoHS product for packing code suffix "G" ; Halogen free product for packing code suffix "H"

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