

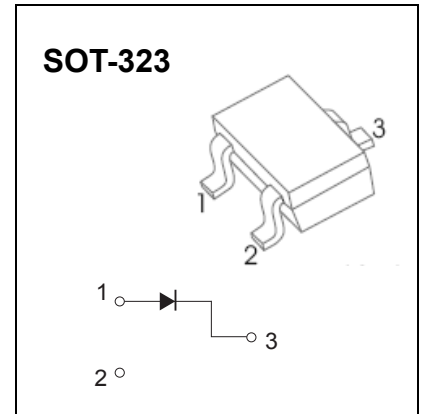


SOT-323 Plastic-Encapsulate Diodes

SCHOTTKY BARRIER DIODE

FEATURES

- Low-power rectification
- For switching power supply
- Ultra low V_F
- $I_F=0.7A$ guaranteed despite the size
- Pb-Free package is available
RoHS product for packing code suffix "G"
Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1



MARKING: 3B

Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	25	V
DC Blocking Voltage	V_R	20	V
Average Rectified Output Current	I_O	700	mA
Power Dissipation	P_D	150	mW
Operating Temperature	T_J	-55~+125	°C
Storage Temperature Range	T_{STG}	-55 ~+150	°C

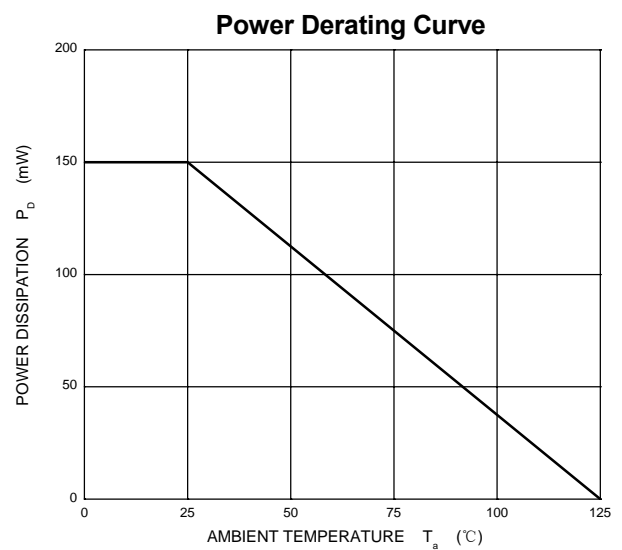
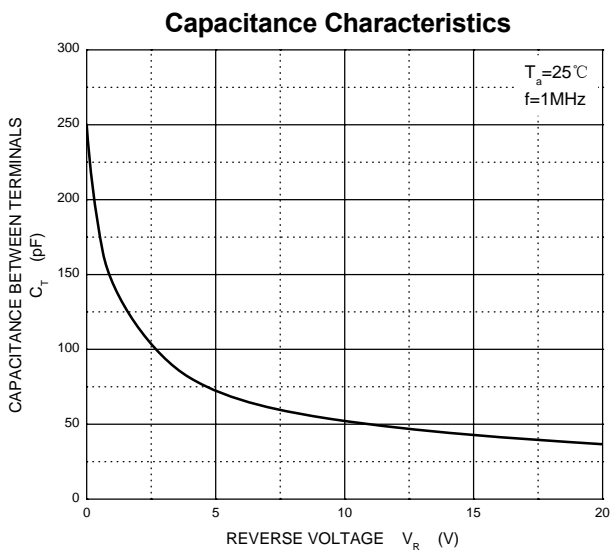
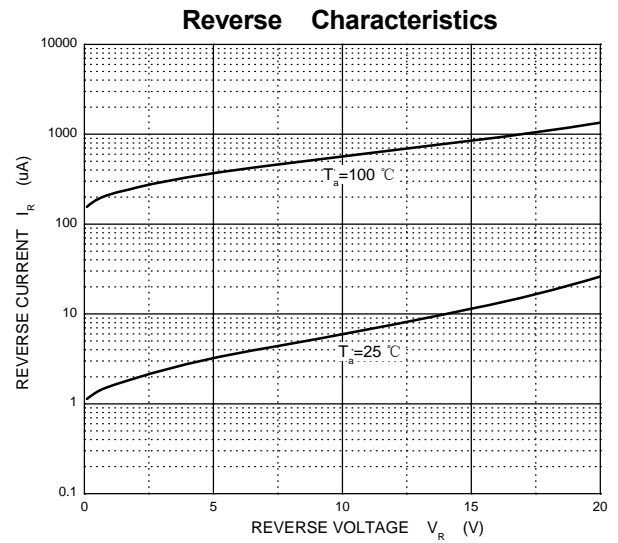
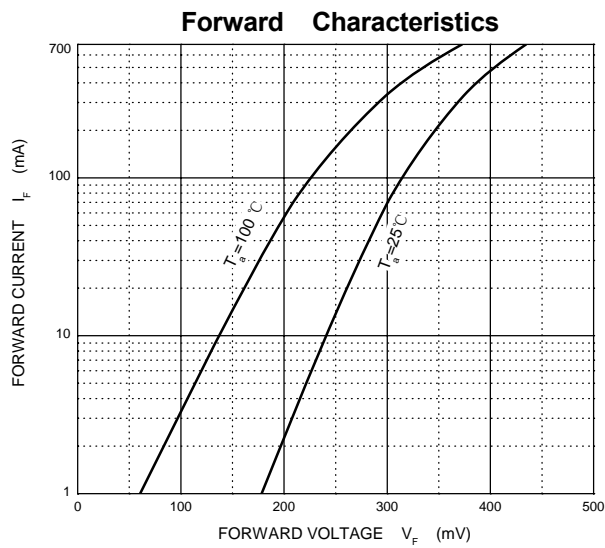
ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R=200\mu A$	20		V
Reverse voltage leakage current	I_R	$V_R=20V$		200	μA
Forward voltage	V_F	$I_F=700mA$		0.49	V



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Typical Characteristics

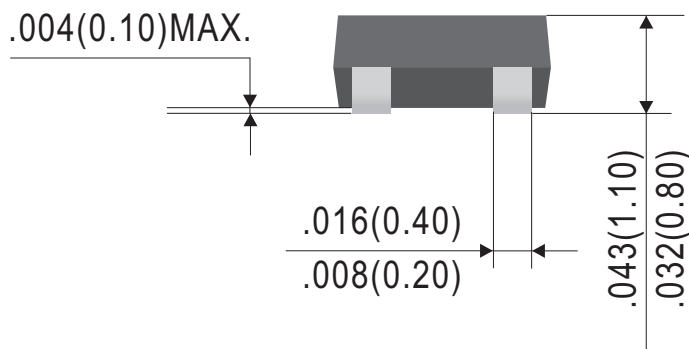
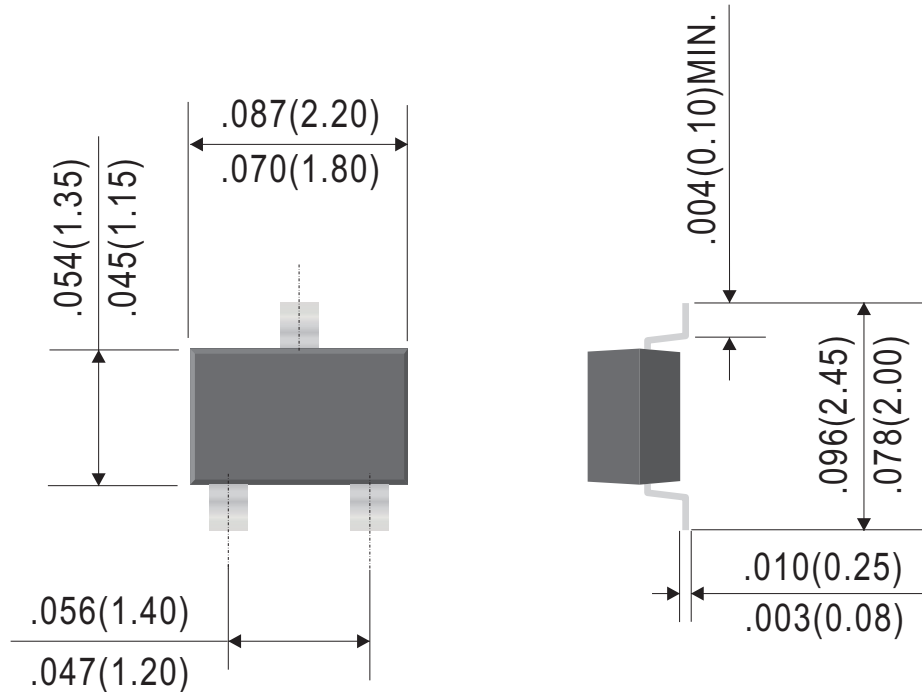




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Outline Drawing

SOT-323



Dimensions in inches and (millimeters)



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Ordering Information:

Device PN	Packing
SCS461F -T ⁽¹⁾ G ⁽²⁾ -WS	Tape&Reel: 3 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

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

Disclaimer

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