



SOT-323 Plastic-Encapsulate Diodes

SCS706F-40

Schottky Barrier Diode

FEATURES

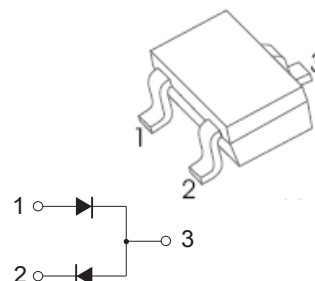
- Small package
- Low V_F and low I_R
- High reliability
- **Pb-Free package is available**
RoHS product for packing code suffix "G"
Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1

MAKING: 3J

Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	45	V
DC reverse voltage	V_R	40	V
Mean rectifying current	I_O	30	mA
Surge current	I_{FSM}	200	mA
Power dissipation	P_D	200	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	500	°C/W
Operating temperature	T_j	-55~+125	°C
Storage temperature	T_{stg}	-55~+150	°C

SOT-323

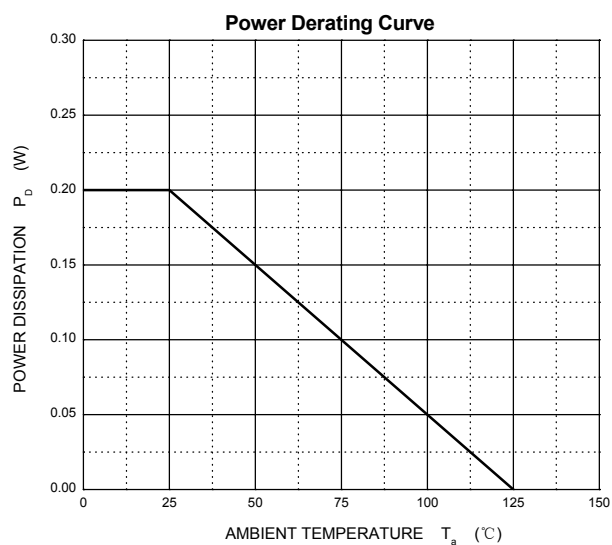
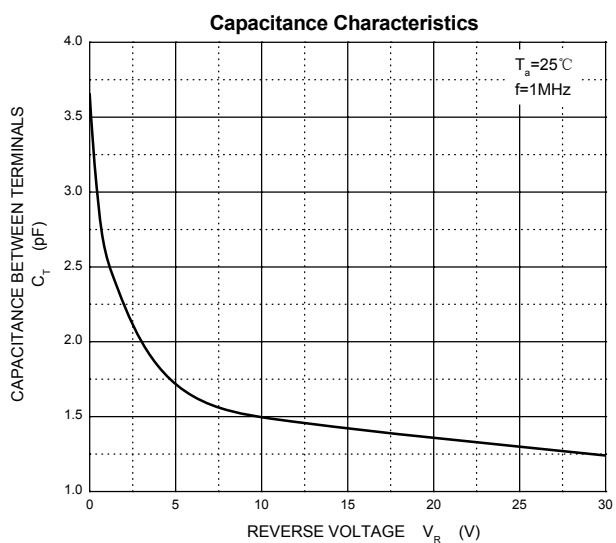
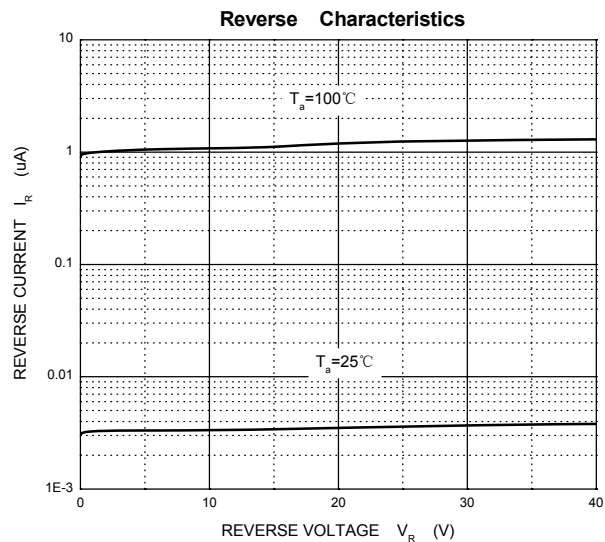
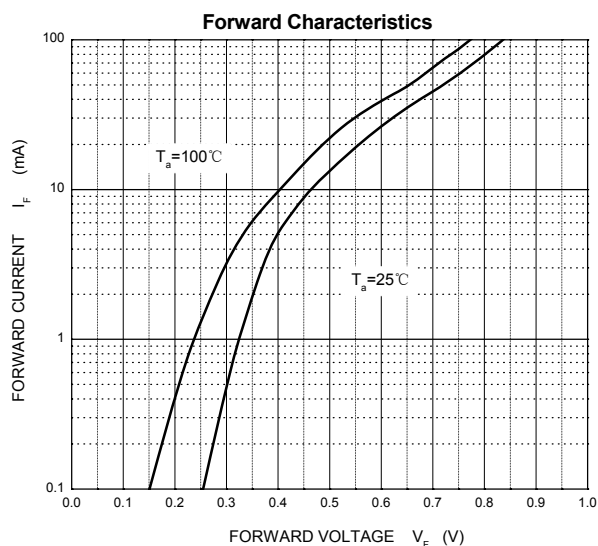


Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.37	V	$I_F=1mA$
Reverse current	I_R			1	μA	$V_R=10V$
Capacitance between terminals	C_T	2			pF	$V_R=1V, f=1MHz$



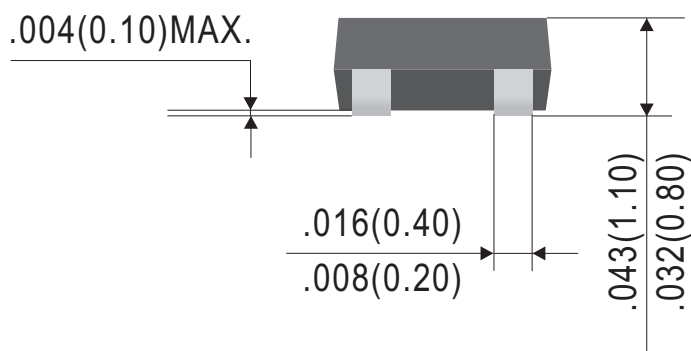
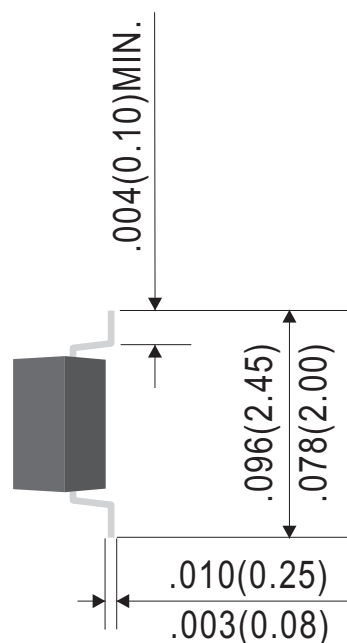
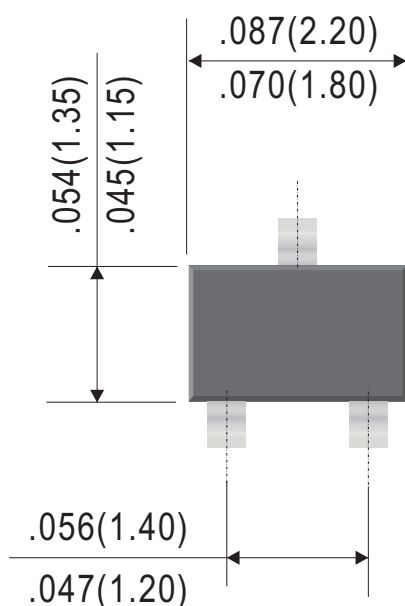
Typical Characteristics





Outline Drawing

SOT-323



Dimensions in inches and (millimeters)

Rev.D



Ordering Information:

Device PN	Packing
SCS706F-40-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"

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