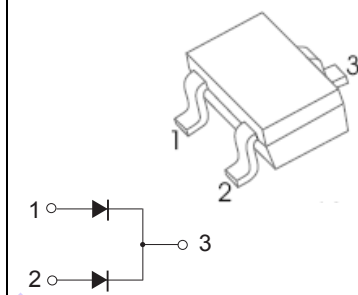


SCHOTTKY BARRIER DIODE

**FEATURES:**

- Extra small power mold type
- Low  $V_F$
- 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

**SOT-323**



**MARKING: 3D**

**Maximum Ratings @Ta=25 °C**

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

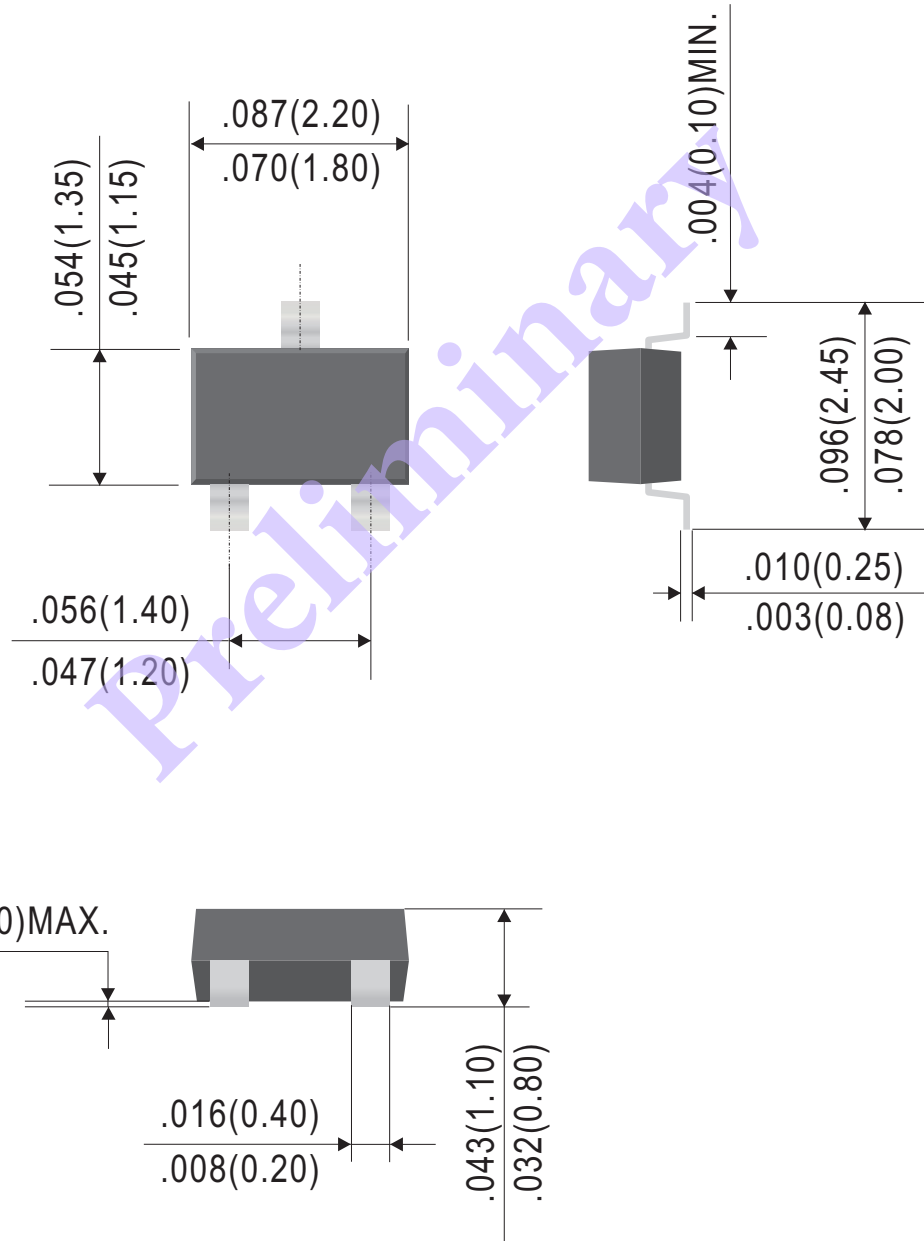
**ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)**

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage leakage current	$I_R$	$V_R=10V$			1	$\mu A$
Forward voltage	$V_F$	$I_F=1mA$			0.37	V
Capacitance between terminals	$C_T$	$V_R=1V, f=1MHz$		2.0		pF



# Outline Drawing

# SOT-323



Dimensions in inches and (millimeters)

**Ordering Information:**

Device PN	Packing
SCS715F -T <sup>(1)</sup> G <sup>(2)</sup> -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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