



SOT-363 Plastic-Encapsulate Diodes

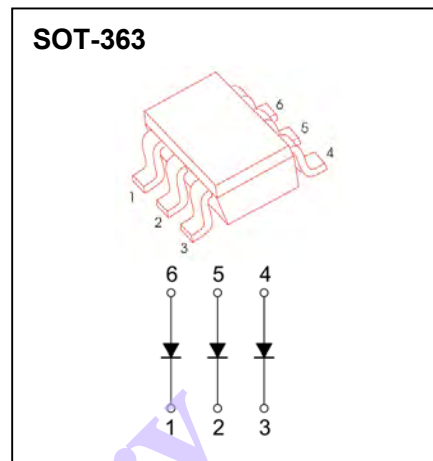
SCHOTTKY BARRIER DIODE

FEATURES

- 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**

APPLICATIONS

- General Rectification



MARKING: 731

MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_R	DC Blocking Voltage	40	V
I_o	Average Rectified Forward Current	30	mA
I_{FSM}	Non-repetitive Peak Forward Surge Current@10ms	200	mA
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	500	$^{\circ}\text{C/W}$
T_j	Operating Temperature	-55~+125	$^{\circ}\text{C}$
T_{stg}	Storage Temperature	-55~+150	$^{\circ}\text{C}$

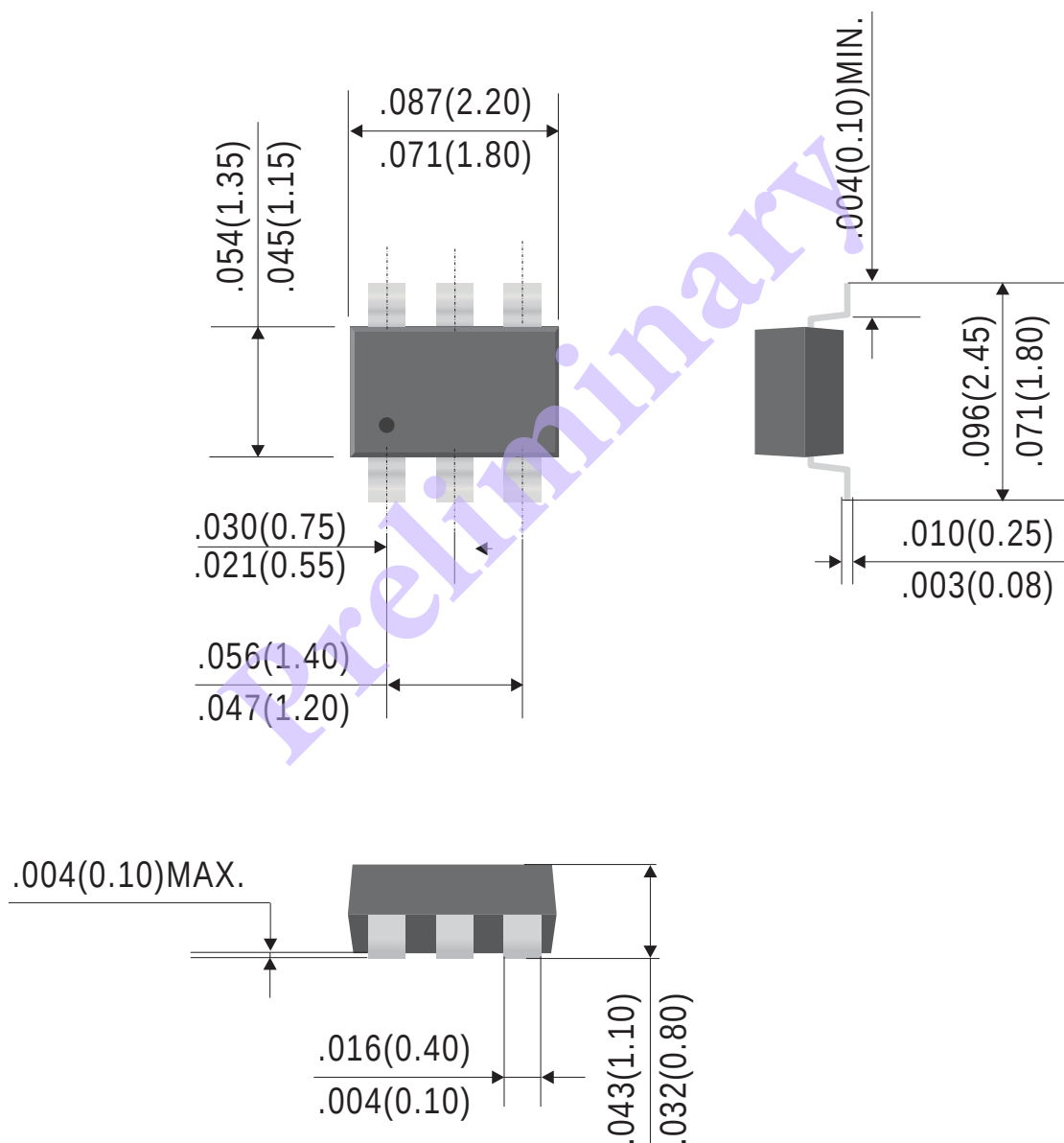
ELECTRICAL CHARACTERISTICS($T_a=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=100\mu\text{A}$	40			V
Reverse current	I_R	$V_R=10\text{V}$			1	μA
Forward voltage	V_F	$I_F=1\text{mA}$			0.37	V
Total capacitance	C_{tot}	$V_R=1\text{V}, f=1\text{MHz}$			2	pF



Outline Drawing

SOT-363



Dimensions in inches and (millimeters)



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Ordering Information:

Device PN	Packing
SCS731XN -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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