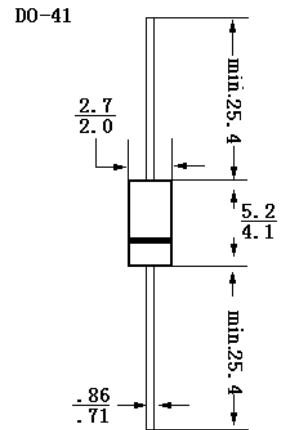


SR104 THRU SR106

SCHOTTKY BARRIER RECTIFIERS

Features

- Guard ring protection
- 175°C junction temperature
- VRRM 40 to 60 volts

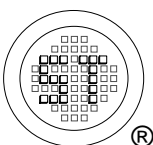


Dimensions in mm

Absolute Maximum Ratings and Characteristics

	Symbols	Values	Units
Working peak reverse voltage SR104 SR105 SR106	V_{RRM}	40 50 60	V
Maximum average forward rectified current Square wave, $R_{\theta JL} = 15^{\circ}\text{C/W}$, $L = 1/4"$, $T_A = 129^{\circ}\text{C}$	$I_{(AV)}$	1.0	A
Peak forward surge current 8.3mS single half sine-wave $T_J = 175^{\circ}\text{C}$	I_{FSM}	50	A
Maximum peak forward voltage at 1.0 A, $T_J = 25^{\circ}\text{C}$	V_{FM}	0.69	V
Maximum peak reverse current $T_J = 25^{\circ}\text{C}$	I_{RM}	100	A
Typical junction capacitance at $V_R = 5.0\text{V}$, $T_J = 25^{\circ}\text{C}$	C_{tot}	53	pF
Maximum thermal resistance, junction to lead, $L = 1/4"$	$R_{\theta JL}$	15	$^{\circ}\text{C/W}$
Operating junction temperature range	T_J	-55 to +175	$^{\circ}\text{C}$
storage temperature range	T_{Stg}	-55 to +175	$^{\circ}\text{C}$

Notes: Pulse test :Pulse width 300 sec, Duty cycle 2%.



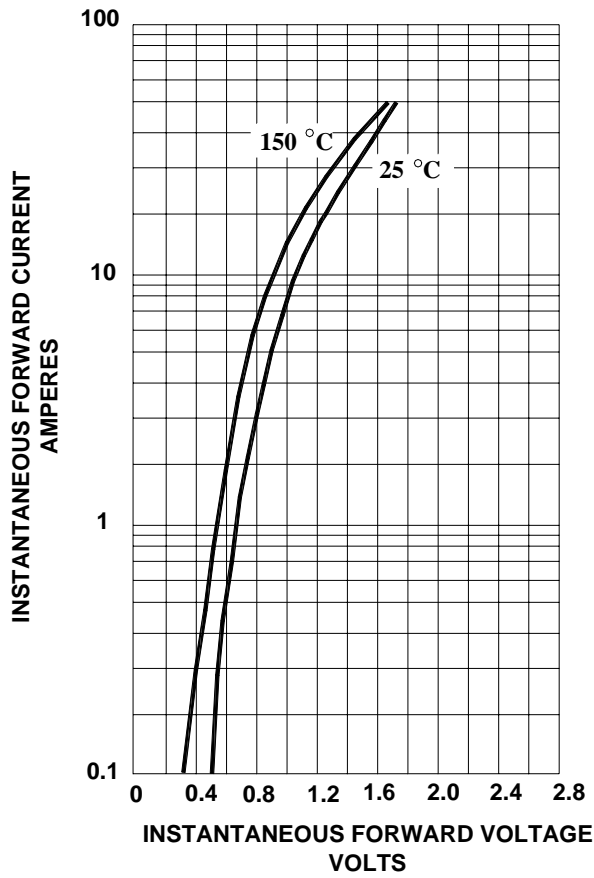
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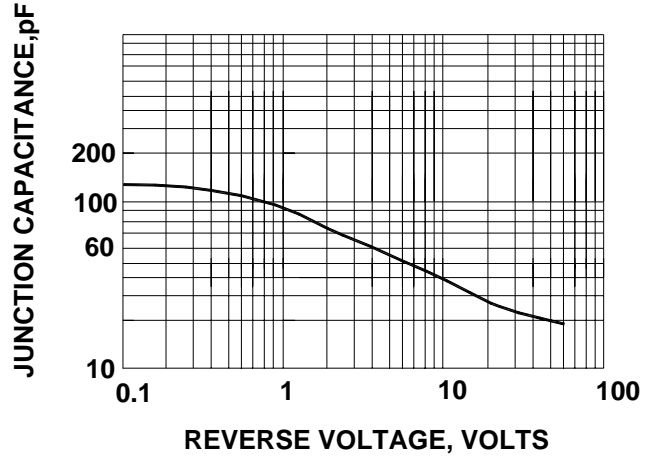
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SR104 THRU SR106

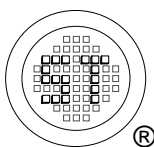
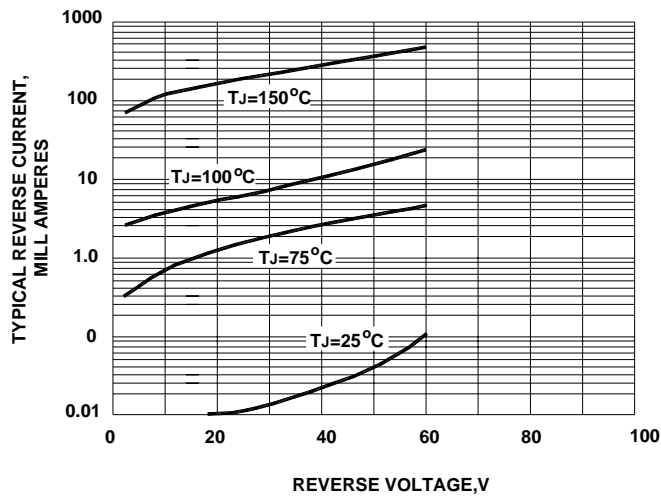
TYPICAL FORWARD CHARACTERISTICS



TYPICAL JUNCTION CAPACITANCE



TYPICAL REVERSE CHARACTERISTICS



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