



**Excellent Schottky Barrier Rectifiers**  
**Voltage 40 Volts Current 2.0Amperes**

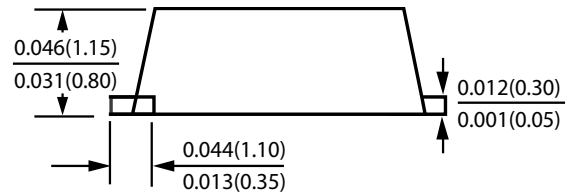
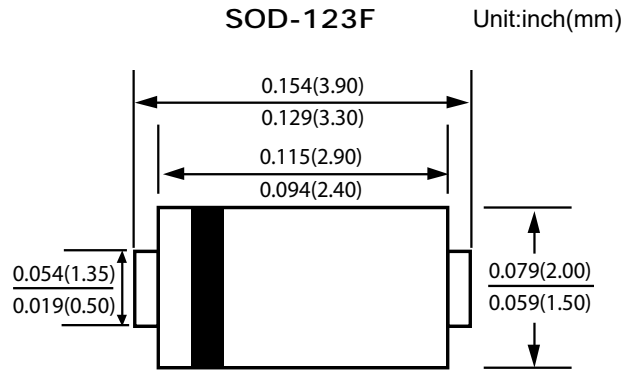


**FEATURES**

- High Current Capability
- Extremely Low Thermal Resistance
- For Surface Mount Application
- Low Forward Voltage
- RoHS Compliant Product
- AEC-Q101 qualified

**MECHANICAL DATA**

- Case : SOD-123F
- Case Material : Molded Plastic. UL Flammability Classification Rating 94V-0
- Terminals : Lead Free Plating (Tin Finish.) Solderable per MIL STD 202, Method 208
- Polarity : Cathode Band



**Maximum Ratings (TA=25°C unless otherwise noted)**

Parameter	Symbol	YRT2L40P-A	Unit
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	40	V
Maximum RMS Voltage	$V_{RMS}$	28	V
Maximum DC Blocking Voltage	$V_{DC}$	40	V
Maximum Average Forward Rectified Current	$I_F$	2	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load	$I_{FSM}$	20	A
Maximum Instantaneous Forward Voltage IF=2A @ 25°C	$V_F$	0.5	V
Maximum DC Reverse Current @ TA=25°C at Rated DC Blocking Voltage @ TA=100°C	$I_R$	0.2 10	mA
Typical Junction Capacitance (NOTE1)	$C_J$	150	pF
Typical Thermal Resistance	$R_{\theta JC}$	30	°C/W
Operating Temperature Range	$T_J$	-55 to +125	°C
Storage Temperature Range	$T_{STG}$	-55 to +150	°C
Marking Code		L4	

NOTES :

1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC

# DEVICE CHARACTERISTICS

## YRT2L40P-A

FIG. 1-Typical Forward Current Derating Curve

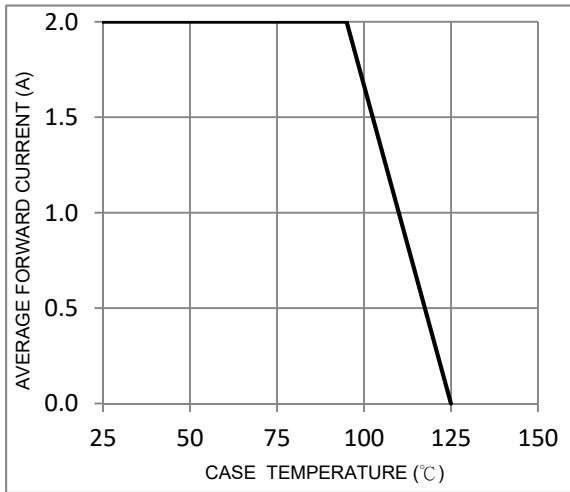


FIG. 2-Typical Forward Characteristics

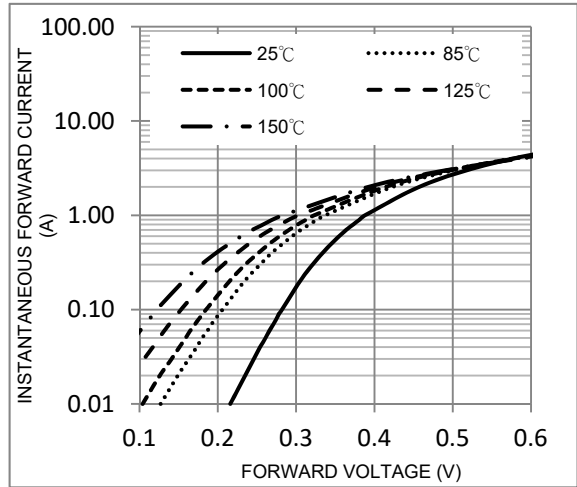


FIG. 3-Maximum Non-Repetitive Forward Surge Current

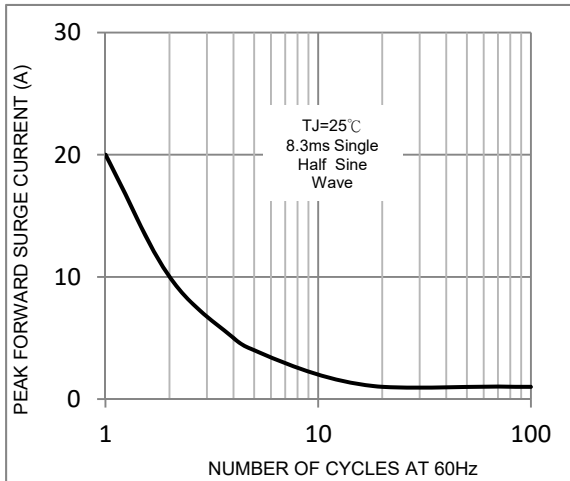


FIG. 4-Typical Reverse Characteristics

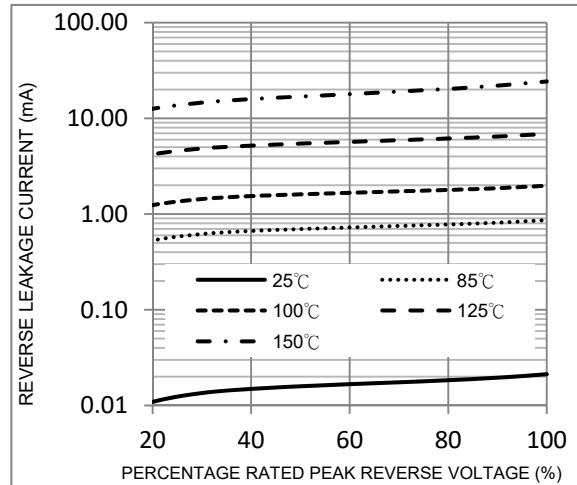


FIG. 5-Typical Junction Capacitance

