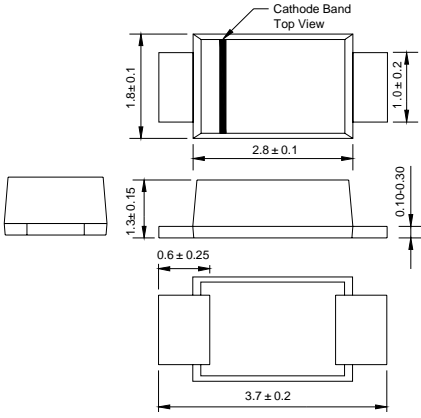
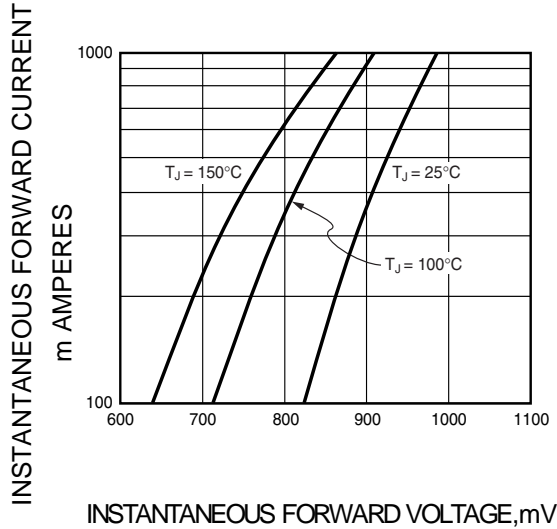
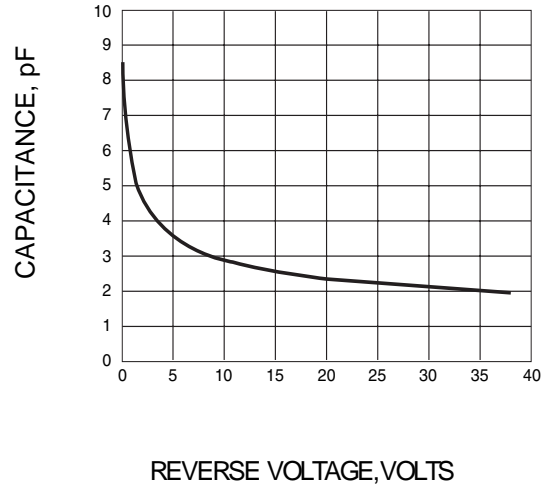


<u>SOD-123FL</u>		<u>FEATURES</u>	
 <p style="text-align: center;">Dimensions in millimeters</p>		<ul style="list-style-type: none"> <li>◆ Glass passivated device</li> <li>◆ Ideal for surface mounted applications</li> <li>◆ Low reverse leakage</li> <li>◆ Metallurgically bonded construction</li> <li>◆ High temperature soldering guaranteed: 250°C/10 seconds, 0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension</li> </ul>	
		<u>MECHANICAL DATA</u>	
		<p><b>Case:</b> JEDEC SOD-123FL molded plastic body over passivated chip  <b>Terminals:</b> Solderable per MIL-STD-750, Method 2026  <b>Polarity:</b> Color band denotes cathode end  <b>Mounting Position:</b> Any  <b>Weight:</b> 0.0007 ounce, 0.02 grams</p>	
<u>MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS</u>			
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.			
Catalog Number	SYMBOLS	<b>1N4007</b>	UNITS
Maximum repetitive peak reverse voltage	$V_{RRM}$	1000	VOLTS
Maximum RMS voltage	$V_{RMS}$	700	VOLTS
Maximum DC blocking voltage	$V_{DC}$	1000	VOLTS
Maximum average forward rectified current at $T_A=65^\circ\text{C}$ (NOTE 1)	$I_{(AV)}$	0.9	Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) $T_L=25^\circ\text{C}$	$I_{FSM}$	25.0	Amps
Maximum instantaneous forward voltage at 1.0A	$V_F$	1.1	Volts
Maximum DC reverse current $T_A=25^\circ\text{C}$ at rated DC blocking voltage $T_A=125^\circ\text{C}$	$I_R$	10.0 50.0	$\mu\text{A}$
Typical junction capacitance (NOTE 2)	$C_J$	4	pF
Typical thermal resistance (NOTE 3)	$R_{\theta JA}$	180	K/W
Operating junction and storage temperature range	$T_J, T_{STG}$	-55 to +150	$^\circ\text{C}$
<p><b>Note:</b> 1. Averaged over any 20ms period.            2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.            3. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted</p>			

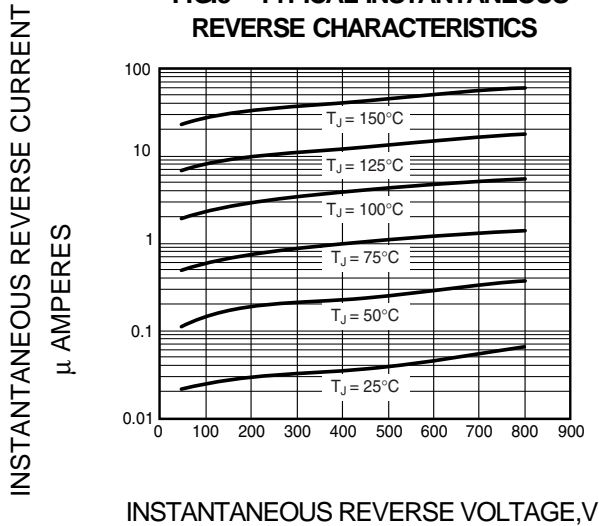
**FIG.1 – TYPICAL FORWARD CHARACTERISTIC**



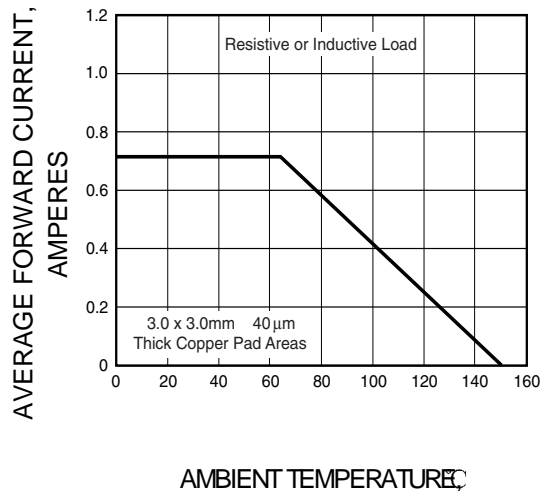
**FIG.2 – TYPICAL JUNCTION CAPACITANCE**



**FIG.3 – TYPICAL INSTANTANEOUS REVERSE CHARACTERISTICS**



**FIG.4 – FORWARD DERATING CURVE**



单击下面可查看定价，库存，交付和生命周期等信息

[>>YONGYUTAI\(永裕泰\)](#)