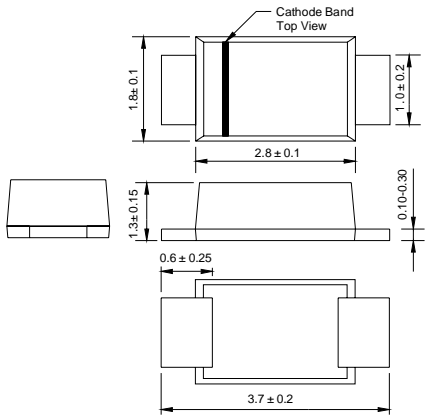
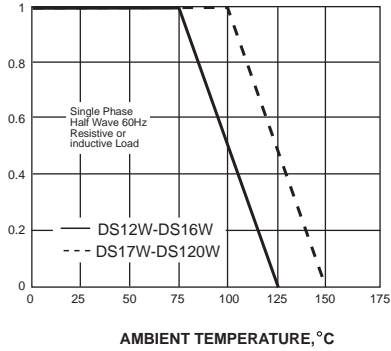


## Surface Mount Schottky Barrier Rectifier

SOD-123FL		<b>FEATURES</b>												
 <p style="text-align: center;">Dimensions in millimeters</p>		<ul style="list-style-type: none"> <li>◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0</li> <li>◆ Metal silicon junction, majority carrier conduction</li> <li>◆ Low power loss, high efficiency</li> <li>◆ High forward surge current capability</li> <li>◆ High temperature soldering guaranteed: 250°C/10 seconds, 0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension</li> </ul>												
		<b>MECHANICAL DATA</b>												
		<p><b>Case:</b> JEDEC SOD-123FL molded plastic body  <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>												
<b>MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS</b>														
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	DS12W	DS13W	DS14W	DS15W	DS16W	DS17W	DS18W	DS19W	DS110W	DS115W	DS120W	UNITS	
Maximum repetitive peak reverse voltage	$V_{RRM}$	20	30	40	50	60	70	80	90	100	150	200	VOLTS	
Maximum RMS voltage	$V_{RMS}$	14	21	28	35	42	49	56	63	70	105	140	VOLTS	
Maximum DC blocking voltage	$V_{DC}$	20	30	40	50	60	70	80	90	100	150	200	VOLTS	
Maximum average forward rectified current	$I_{(AV)}$	1.0											Amp	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	25.0											Amps	
Maximum instantaneous forward voltage at 1.0A	$V_F$	0.55			0.70		0.85			0.95		Volts		
Maximum DC reverse current at rated DC blocking voltage $T_A=25^\circ\text{C}$ $T_A=100^\circ\text{C}$	$I_R$	0.5					0.2					mA		
		10.0					2.0							
Typical junction capacitance (NOTE 1)	$C_J$	110					80					pF		
Operating junction temperature range	$T_J$	-65 to +125					-65 to +150					°C		
Storage temperature range	$T_{STG}$	-65 to +150											°C	
<b>Note:</b> 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.														

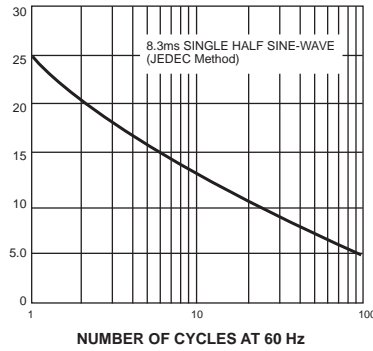
AVERAGE FORWARD RECTIFIED CURRENT,  
AMPERES

FIG. 1- FORWARD CURRENT DERATING CURVE



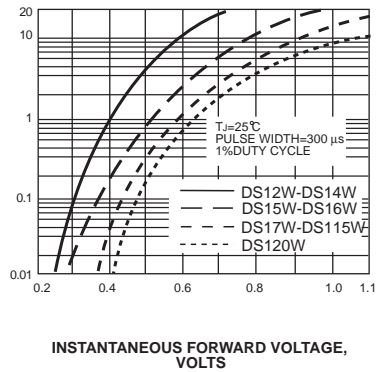
PEAK FORWARD SURGE CURRENT,  
AMPERES

FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



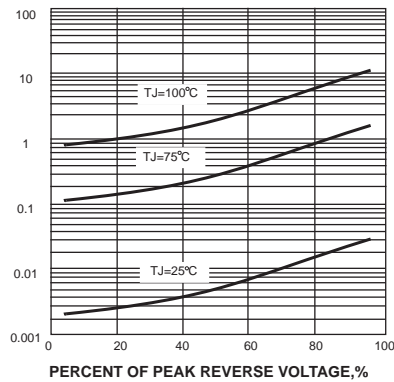
INSTANTANEOUS FORWARD CURRENT, AMPERES

FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS



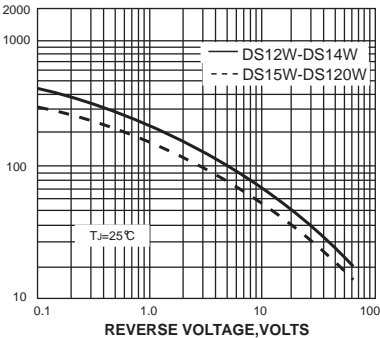
INSTANTANEOUS REVERSE CURRENT,  
MILLIAMPERES

FIG. 4-TYPICAL REVERSE CHARACTERISTICS



JUNCTION CAPACITANCE, pF

FIG. 5-TYPICAL JUNCTION CAPACITANCE



单击下面可查看定价，库存，交付和生命周期等信息

[>>KUU\(永裕泰\)](#)