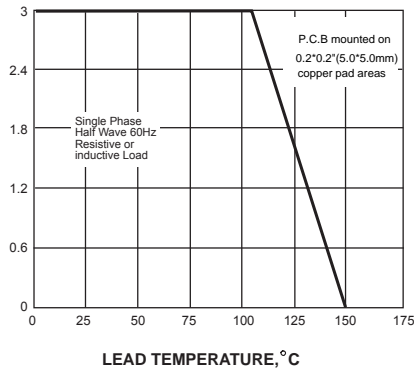


<b>SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER</b>	Reverse Voltage - 150 to 200 Volts Forward Current -3.0 Amperes			
<b>DO-214AC/SMA</b>	<b>Features</b> <ul style="list-style-type: none"> <li>◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0</li> <li>◆ For surface mounted applications</li> <li>◆ Metal silicon junction, majority carrier conduction</li> <li>◆ Low power loss, high efficiency</li> <li>◆ Built-in strain relief, ideal for automated placement</li> <li>◆ High forward surge current capability</li> <li>◆ High temperature soldering guaranteed: 260°C/10 seconds at terminals</li> </ul>			
<p style="font-size: small;">Dimensions in inches and (millimeters)</p>	<b>Mechanical Data</b> <p> <b>Case:</b> JEDEC DO-214AC molded plastic body  <b>Terminals:</b> Solder plated, solderable per MIL-STD-750, Method 2026  <b>Polarity:</b> Color band denotes cathode end  <b>Mounting Position:</b> Any  <b>Weight:</b> 0.002 ounce, 0.07 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%.				
	SYMBOLS	SS315	SS320	UNITS
Maximum repetitive peak reverse voltage	$V_{RRM}$	150	200	V
Maximum RMS voltage	$V_{RMS}$	105	140	V
Maximum DC blocking voltage	$V_{DC}$	150	200	V
Maximum average forward rectified current 0.375" (9.5mm) lead length (see fig. 1)	$I_{(AV)}$	3.0		A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load	$I_{FSM}$	70.0		A
Maximum instantaneous forward voltage at 3.0A	$V_F$	0.85	0.95	V
Maximum DC reverse current at rated DC blocking voltage	$I_R$	0.1		mA
		2.0		
Typical junction capacitance (NOTE 1)	$C_J$	200		pF
Typical thermal resistance (NOTE 2)	$R_{\theta JA}$	75.0		°C/W
Operating junction temperature range	$T_J$	-55 to +150		°C
Storage temperature range	$T_{STG}$	-55 to +150		°C
<b>Note:</b> 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C. 2. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted				

**RATINGS AND CHARACTERISTIC CURVES SS315 THRU SS320**

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

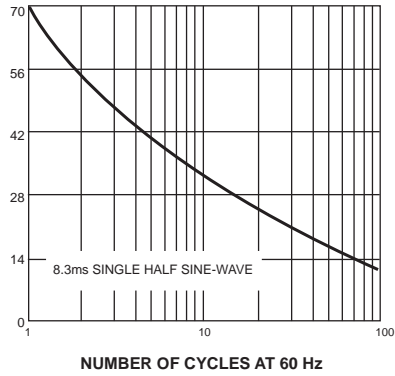


FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

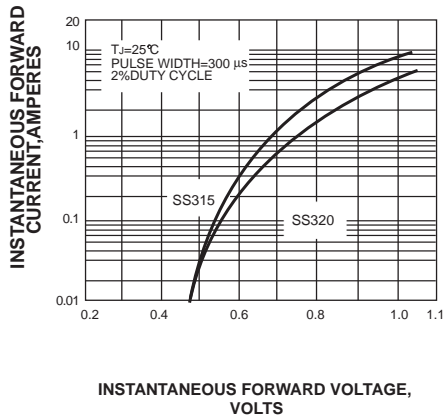


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

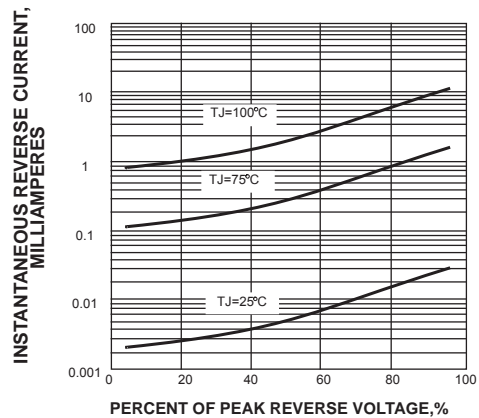


FIG. 5-TYPICAL JUNCTION CAPACITANCE

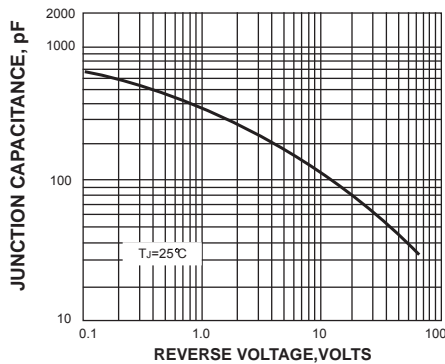
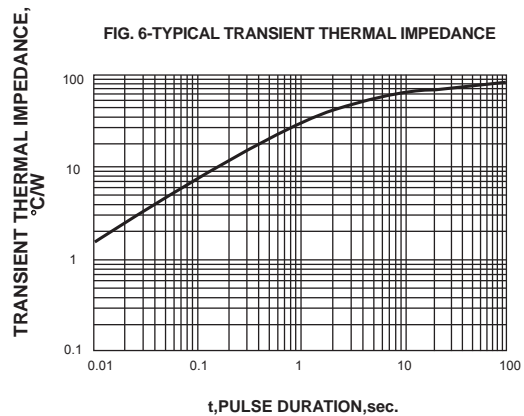


FIG. 6-TYPICAL TRANSIENT THERMAL IMPEDANCE



单击下面可查看定价，库存，交付和生命周期等信息

[>>DIOS\(迪恩思\)](#)