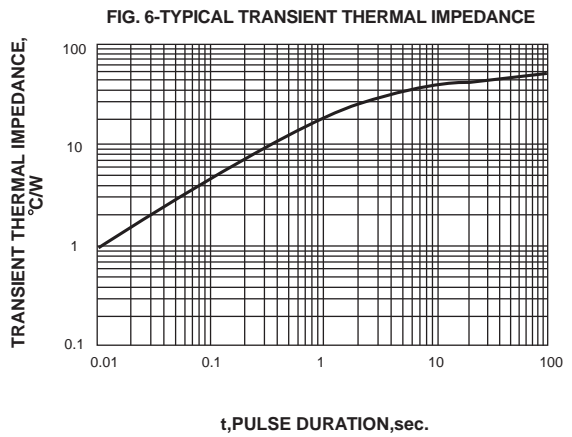
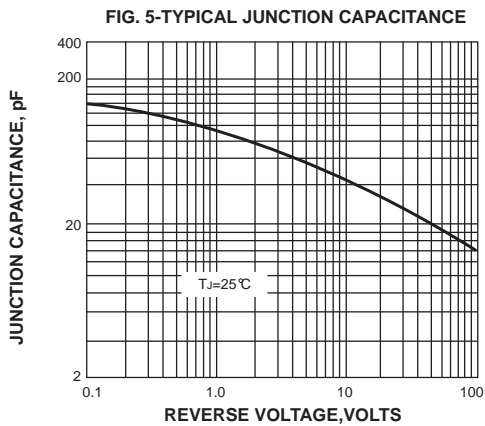
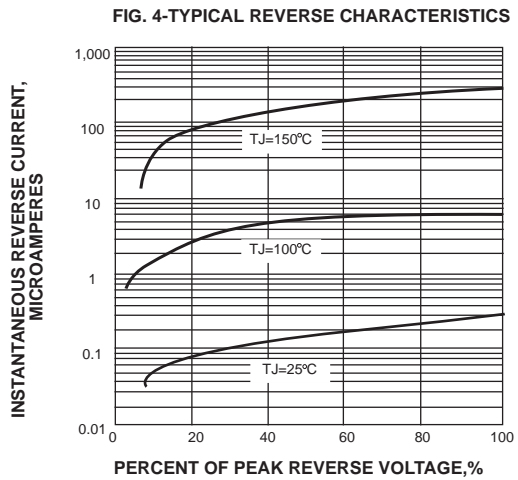
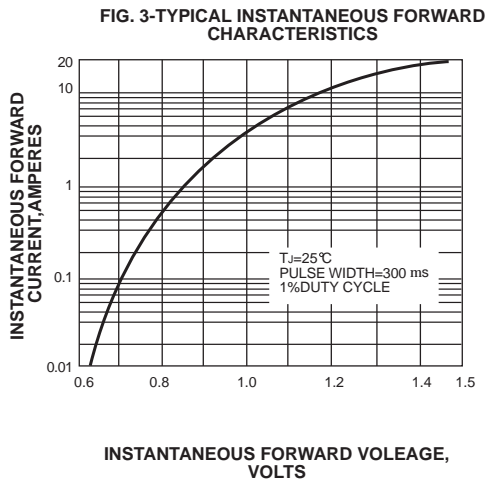
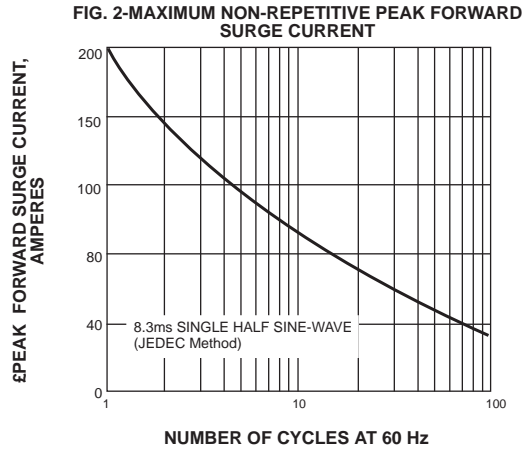
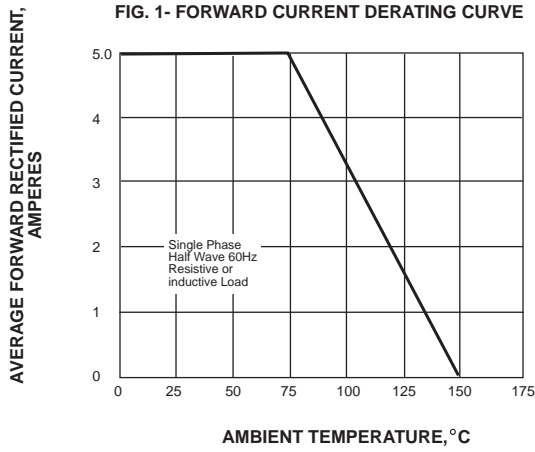


SURFACE MOUNT GENERAL RECTIFIER	Reverse Voltage - 50 to 1000 Volts Forward Current -5.0 Amperes								
<p style="text-align: center;"><b>DO-214AA</b></p> <p style="text-align: center;"><i>Dimensions in inches and (millimeters)</i></p>	<p><b>Features</b></p> <ul style="list-style-type: none"> <li>◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0</li> <li>◆ For surface mounted applications</li> <li>◆ Low reverse leakage</li> <li>◆ Built-in strain relief, ideal for automated placement</li> <li>◆ High forward surge current capability</li> <li>◆ High temperature soldering guaranteed: 250°C/10 seconds at terminals</li> </ul> <p><b>Mechanical Data</b></p> <p><b>Case:</b> JEDEC DO-214AB 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> 0.09grams</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	S5A	S5B	S5D	S5G	S5J	S5K	S5M	UNITS
Maximum repetitive peak reverse voltage	$V_{RRM}$	50	100	200	400	600	800	1000	VOLTS
Maximum RMS voltage	$V_{RMS}$	35	70	140	280	420	560	700	VOLTS
Maximum DC blocking voltage	$V_{DC}$	50	100	200	400	600	800	1000	VOLTS
Maximum average forward rectified current at $T_L=75^\circ\text{C}$	$I_{(AV)}$	5.0							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	200.0							Amps
Maximum instantaneous forward voltage at 3.0A	$V_F$	1.1							Volts
Maximum DC reverse current $T_A=25^\circ\text{C}$ at rated DC blocking voltage $T_A=100^\circ\text{C}$	$I_R$	10.0 250.0							uA
Typical junction capacitance (NOTE 1)	$C_J$	60.0							pF
Typical thermal resistance (NOTE 2)	$R_{qJA}$	50.0							°C/W
Operating junction and storage temperature range	$T_J, T_{STG}$	-65 to +175							°C
<p><b>Note:</b> 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.                  2. P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas</p>									



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[>>DIOS\(迪恩思\)](#)