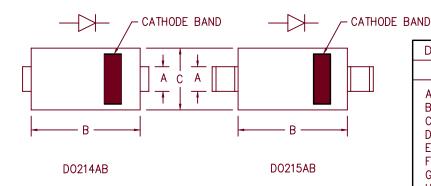
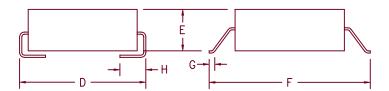
Amp Schottky Rectifier



Dim. Inches			Millimeter		
	Minimum	Maximum	Minimum	Maximum Notes	
A B C D E F	.117 .260 .220 .307 .075	.123 .280 .245 .322 .095	2.97 6.60 5.59 7.80 1.91	3.12 7.11 6.22 8.18 2.41	
G H	.380 .025 .030	.400 .040 .060	9.65 .640 .760	10.16 1.02 1.52	



Microsemi Catalog Number	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
HSM880*	80V	80V
HSM890*	90V	90V
HSM8100*	100V	100V
*Add Suffix J For J	Lead or G For Gull Wing	Lead Configuration

- Schottky Barrier Rectifier
- Guard Ring Protection
- 175°C Junction Temperature
- High Current Capability
- VRRM 80 to 100 Volts
- Surface mount packages

Electrical Characteristics

Average forward current Maximum surge current Max peak forward voltage Max peak forward voltage Max peak reverse current Typical junction capacitance

I F(AV) 8.0 Amps IF(AV) 300 Amps V FM .61 Volts VFM .78 Volts 1 RM 500 JuA CJ 480pF

Square wave 8.3ms, half sine, TJ = 175 °C IFM = 8.0A:TJ = 175°C * $JFM = 8.0A: TJ = 25^{\circ}C *$ V_{RRM} , $T_{J} = 25$ °C $V_R = 5.0V, T_J = 25$ °C

* Pulse test: Pulse width 300 usec, Duty cycle 2%

Thermal and Mechanical Characteristics

Storage temperature range Operating junction temp range Maximum thermal resistance Weight

TSTG TJ RøJL

-55°C to 175°C -55°C to 175°C 20°C/W Junction to lead

.008 ounces (.22 grams) typical



HSM880 - HSM8100

Figure 1 Typical Forward Characteristics 1000 800

