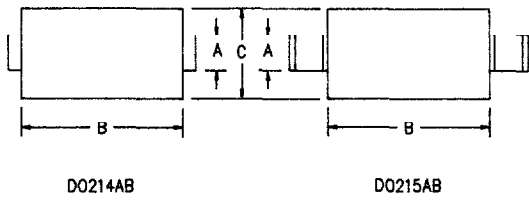
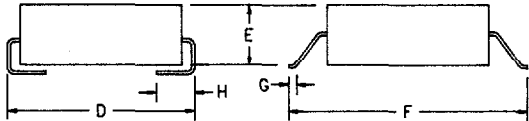


3 Amp Schottky Rectifier HSM380, HSM390



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	.117	.123	2.21	2.97	
B	.260	.280	4.57	6.60	
C	.220	.245	3.94	5.58	
D	.307	.322	5.59	7.80	
E	.075	.095	1.90	2.41	
F	.380	.400	6.86	7.37	
G	.025	.040	.381	.762	
H	.030	.060	.760	1.52	



Microsemi Catalog Number	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
HSM380*	80V	50V
HSM390*	90V	60V

* Add Suffix J for J Lead or G for Gull Wing Lead Configuration

- Schottky Barrier Rectifier
- Guard Ring Protection
- VRRM 80 to 90 Volts
- 150°C Junction Temperature

Electrical Characteristics		
Average forward current	I _{F(AV)} 3.0 Amps	Square wave
Maximum surge current	I _{FSM} 150 Amps	8.3ms, half sine, T _J = 150°C
Max peak forward voltage	V _{FM} .67 Volts	I _{FM} = 1.0A; T _J = 25°C*
Max peak forward voltage	V _{FM} .81 Volts	I _{FM} = 3.0A; T _J = 25°C*
Max peak forward voltage	V _{FM} 1.0 Volts	I _{FM} = 9.4A; T _J = 25°C*
Max peak reverse current	I _{RM} 100 μA	V _R = 5.0V, T _J = 25°C
Typical junction capacitance	C _J 190 pF	

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

Thermal and Mechanical Characteristics		
Storage temperature range	T _{STG}	-40°C to 150°C
Operating junction temp range	T _J	-40°C to 150°C
Weight		.008 ounces (.22 grams) typical

PH: 303-469-2161
FAX: 303-466-3775

Microsemi Corp.
Colorado

HSM380, HSM390

Figure 1
Typical Forward Characteristics

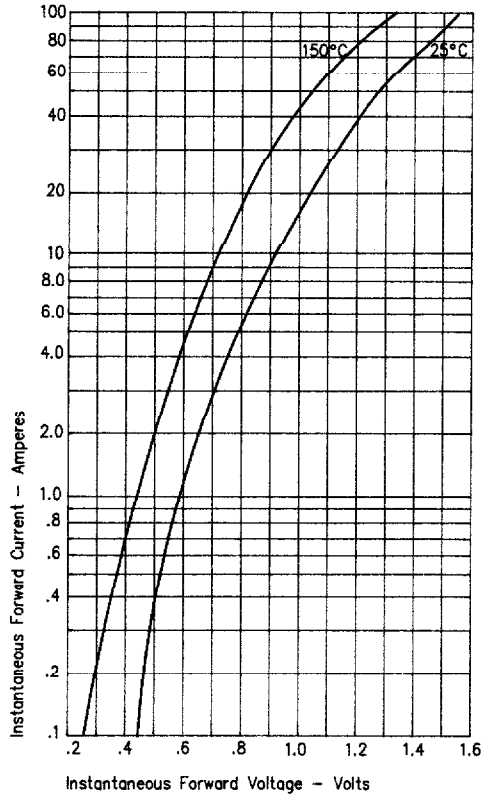


Figure 3
Typical Junction Capacitance

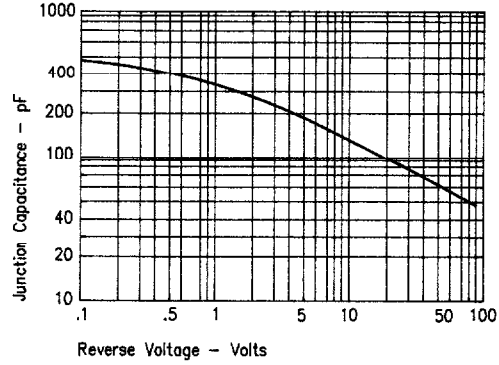


Figure 2
Typical Reverse Characteristics

