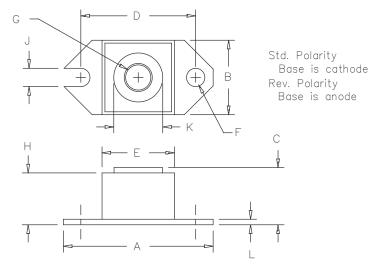
240 Amp Schottky Rectifier	
HS246150	



Dim.	Inches	Millimeter				
	Minimum	Maximum	Minimum	Maximum	Notes	
A	1.52	1.56	38.61	39.62		
В	.725	.775	18.42	19.69		
С	.605	.625	15.37	15.88		
D	1.182	1.192	30.02	30.28		
E	.745	.755	18.92	19.18	Sq.	
F	.152	.160	3.86	4.06	Dia.	
G 1/4-20 UNC-2B						
Н	.525	.580	13.34	14.73		
J	.156	.160	3.96	4.06		
K	.495	.505	12.57	12.83	Dia.	
L	.120	.130	3.05	3.30		

Microsemi Catalog Number			Repetitive Peak Reverse Voltage
HS246150*	249NQ150	150V	150V

● ROHS Compliant

*Add Suffix R for Reverse Polarity

Electrical Characteristics

Average forward current Maximum surge current Maximum repetitive reverse current Typical peak forward voltage Max peak forward voltage Typical peak reverse current Max peak reverse current Typical junction capacitance |F(AV) 240 Amps |FSM 3300 Amps |R(OV) 2 Amps VFM 0.65 Volts VFM 0.86 Volts |RM 150mA |RM 8.0mA CJ 6000pF $\begin{array}{l} {}^{T}C = 118^{\circ}C, \ Square \ wave, {}^{R}\Theta JC = .24^{\circ}C/W \\ 8.3ms, \ half \ sine, \ {}^{T}J = 175^{\circ}C \\ f = 1 \ KHZ, \ 25^{\circ}C \\ \\ {}^{I}FM = 240A: \ {}^{T}J = 175^{\circ}C* \\ \\ {}^{I}FM = 240A: \ {}^{T}J = 25^{\circ}C* \\ \\ \\ VRRM, \ {}^{T}J = 125^{\circ}C* \\ \\ \\ VRRM, \ {}^{T}J = 25^{\circ}C \\ \\ \\ VR = 5.0V, \ {}^{T}C = 25^{\circ}C \end{array}$

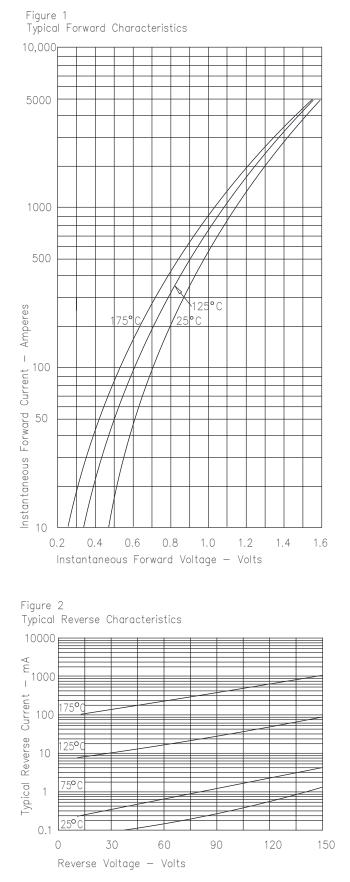
*Pulse test: Pulse width 300µsec, Duty cycle 2%

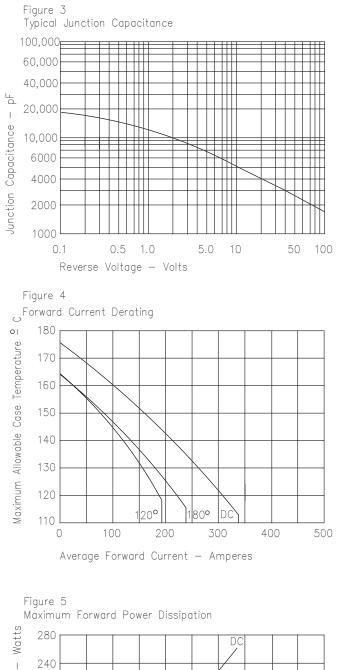
Thermal and Mechanical Characteristics

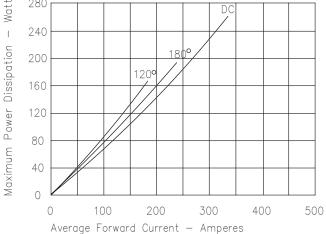
Storage temp range Operating junction temp range Max thermal resistance Typical thermal resistance (greased) Terminal Torque Mounting Base Torque Weight	TSTG TJ R OJC R OCS	-55°C to 175°C -55°C to 175°C 0.21°C/W Junction to case 0.12°C/W Case to sink 35-40 inch pounds 20-25 inch pounds 1.1 ounces (32 grams) typical
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HS246150









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