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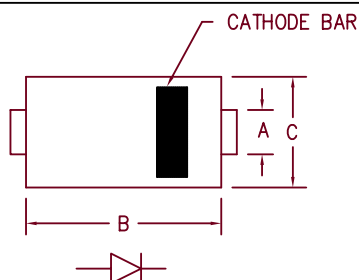
[Microsemi Commercial Components](#)

[LSM115J](#)

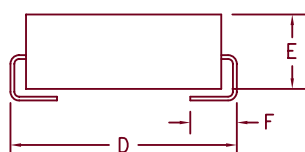
For any questions, you can email us directly:

sales@integrated-circuit.com

1 Amp Ultra Low Forward Voltage Schottky Rectifier LSM115J



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	.073	.087	1.85	2.21	
B	.160	.180	4.06	4.57	
C	.130	.155	3.30	3.94	
D	.205	.220	5.21	5.59	
E	.075	.130	1.91	3.30	
F	.030	.060	.760	1.52	



DO-214BA Package

Microsemi
Catalog Number

LSM115J

Industry
Part Number

10BQ015

Working
Peak Reverse
Voltage

15V

Repetitive
Peak Reverse
Voltage

15V

- Schottky Barrier Rectifier
- Guard Ring For Reverse Protection
- Low Power Loss, High Efficiency
- 100°C Junction Temperature
- VRRM 15V
- High Surge Capability
- Vf Less than .2V @ 1A @ 100°C
- Schottky OR'ing diode

Electrical Characteristics

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

I_{F(AV)} 1 Amps
I_{FSM} 50 Amps
V_{FM} 0.22 Volts
I_{RM} 10 mA
C_J 150pF

T_L = 65°C, Square wave, R_{θJL} = 15°C/W
8.3ms, half sine, T_J = 100°C
I_{FM} = 1.0A: T_J = 75°C*
VRRM = 15V, T_J = 25°C
T_J = 25°C, V_R = 5V

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

Thermal and Mechanical Characteristics

Storage temperature range
Operating junction temp range
Maximum thermal resistance
Weight

T_{STG}
T_J
R_{θJL}

-55°C to 150°C
-55°C to 100°C
15°C/W Junction to Lead
.0047 ounces (.013 grams) typical

LSM115J

Figure 1
 Typical Forward Characteristics

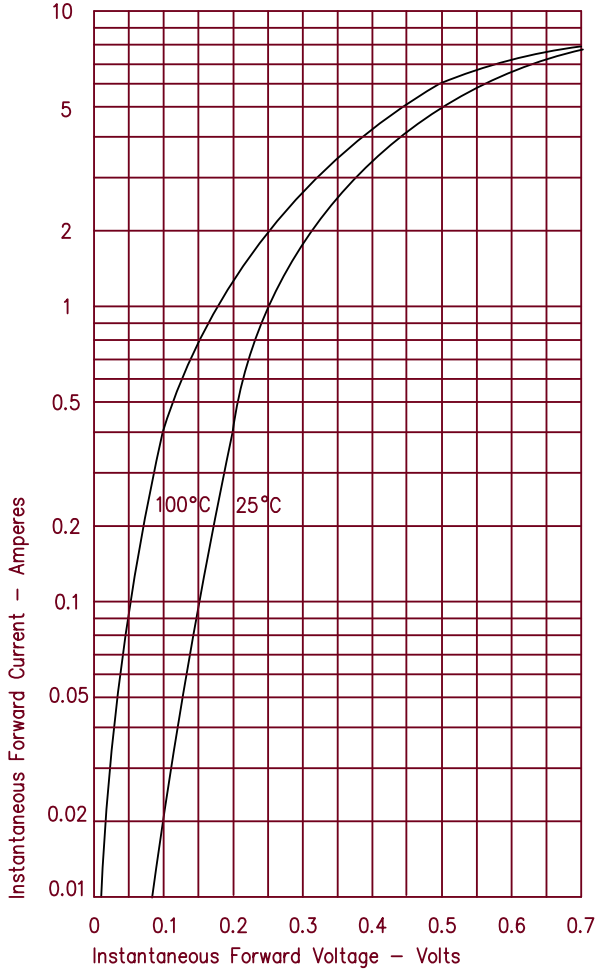


Figure 3
 Typical Junction Capacitance

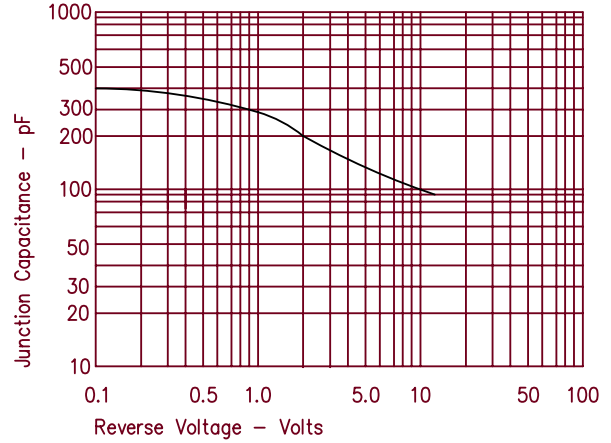


Figure 2
 Typical Reverse Characteristics

