



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

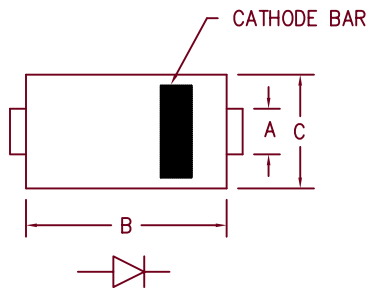
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

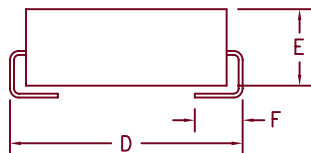
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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	



D0-214BA Package

Microsemi Catalog Number	Industry Part Number	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
LSM115J	10BQ015	15V	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	I _{F(AV)} 1 Amps	T _L = 65°C, Square wave, R _{θJL} = 15°C/W
Maximum surge current	I _{FSM} 50 Amps	8.3ms, half sine, T _J = 100°C
Maximum peak forward voltage	V _{FM} 0.22 Volts	I _{FM} = 1.0A: T _J = 75°C*
Maximum peak reverse current	I _{RM} 10 mA	V _R = 15V, T _J = 25°C
Typical junction capacitance	C _J 150pF	T _J = 25°C, V _R = 5V

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

Thermal and Mechanical Characteristics

Storage temperature range	T _{STG}	-55°C to 150°C
Operating junction temp range	T _J	-55°C to 100°C
Maximum thermal resistance	R _{θJL}	15°C/W Junction to Lead
Weight		.0047 ounces (.013 grams) typical



8700 East Thomas Road, P.O. Box 1390
Scottsdale, AZ 85252
PH: (480) 941-6300
FAX: (480) 947-1503
www.microsemi.com

05-15-07 Rev. 6

LSM115J

Figure 1
Typical Forward Characteristics

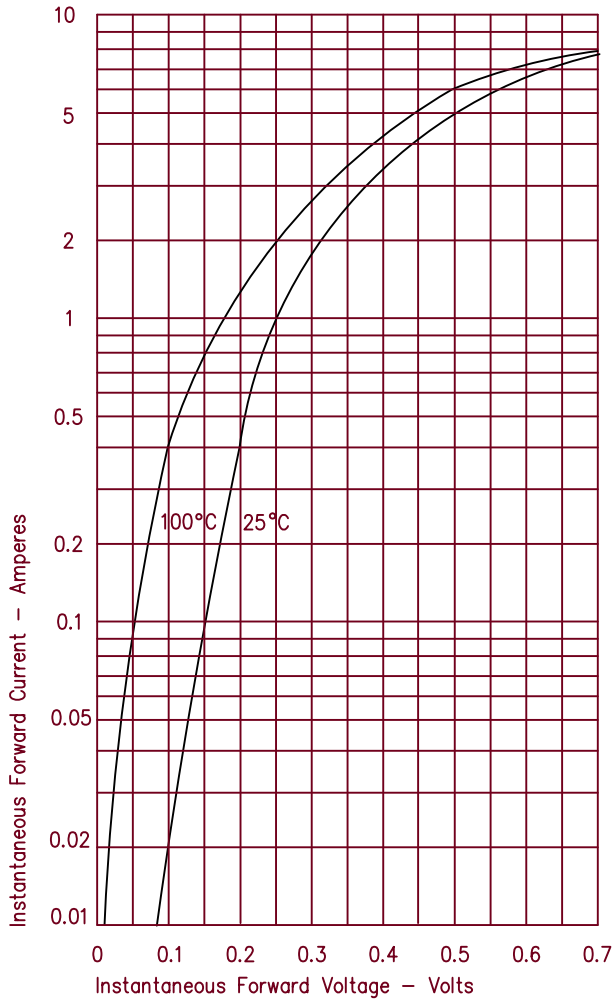


Figure 3
Typical Junction Capacitance

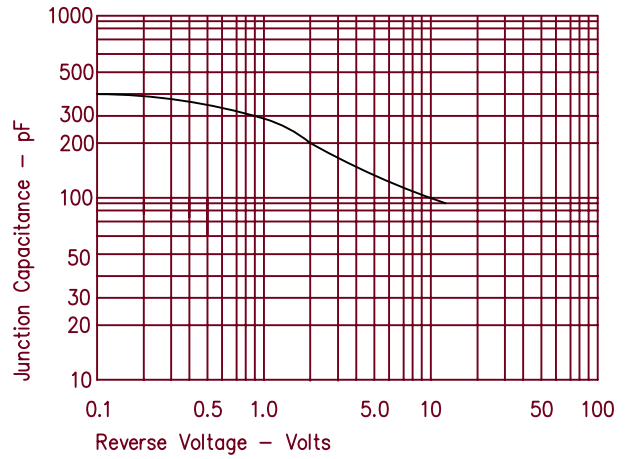


Figure 2
Typical Reverse Characteristics

