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Stocking Distributor

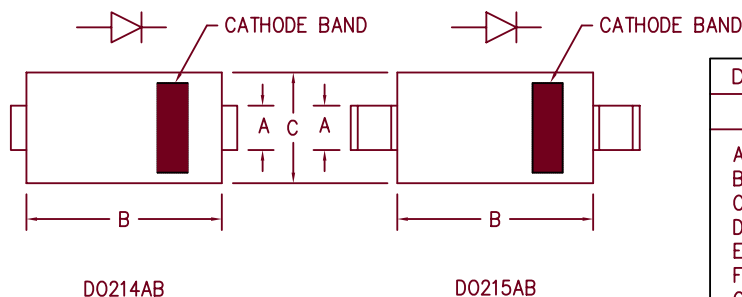
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[Microsemi Commercial Components](#)
[LSM845J](#)

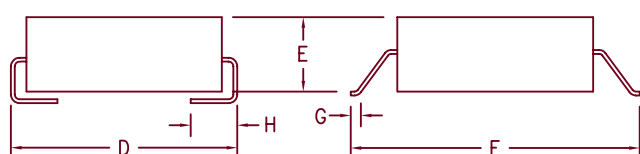
For any questions, you can email us directly:

sales@integrated-circuit.com

8 Amp Schottky Rectifier LSM835 — LSM845



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



Microsemi
Catalog Number

LSM835*
LSM840*
LSM845*

Working
Working Peak
Reverse Voltage

35V
40V
45V

Repetitive
Repetitive Peak
Reverse Voltage

35V
40V
45V

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

- Schottky Barrier Rectifier
- Guard Ring Protection
- Low Forward Voltage
- 150°C Junction Temperature
- VRRM 35 to 45 Volts
- High Current Capability

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
I F(AV) 350 Amps
V FM .40 Volts
V FM .52 Volts
I RM 2 mA
C J 575 pF

Square wave
8.3 ms, half sine, T_J = 150°C
I FM = 8.0A: T_J = 150°C *
I FM = 8.0A: T_J = 25°C *
V RRM, T_J = 25°C
V R = 5.0V, T_J = 25°C

* 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 175°C
-55°C to 150°C
20°C/W Junction to lead
.008 ounces (.22 grams) typical

LSM835 — LSM845

Figure 1
Typical Forward Characteristic

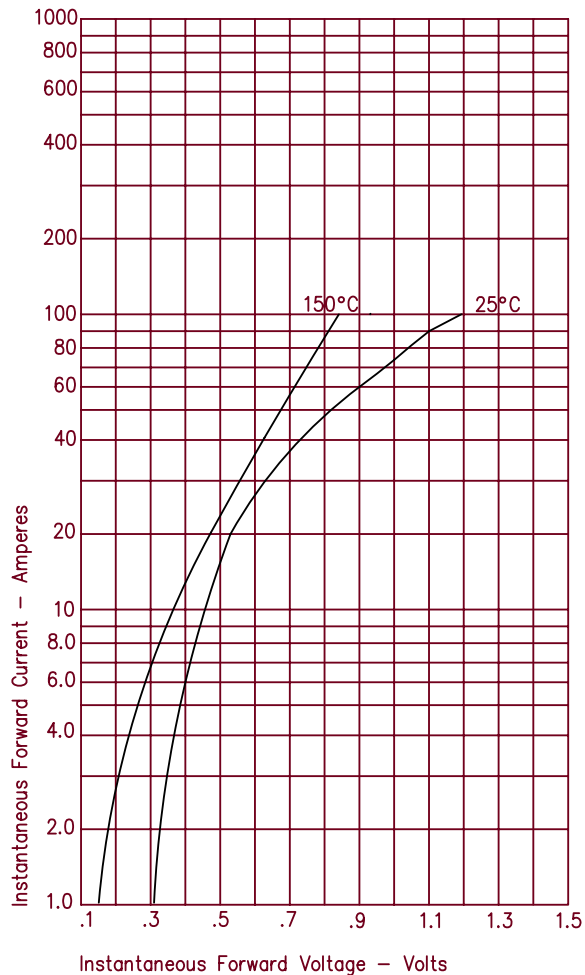


Figure 3
Typical Junction Capacitance

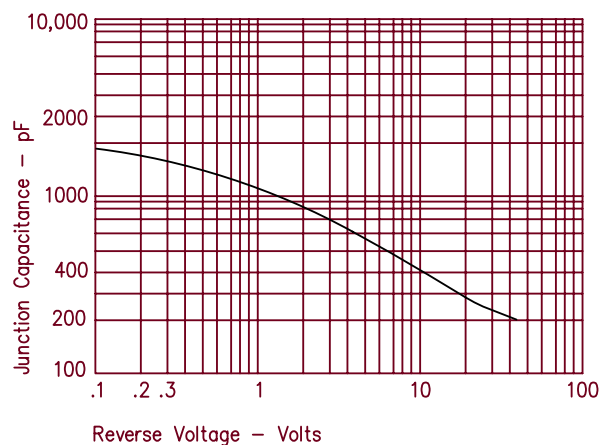


Figure 2
Typical Reverse Characteristics

