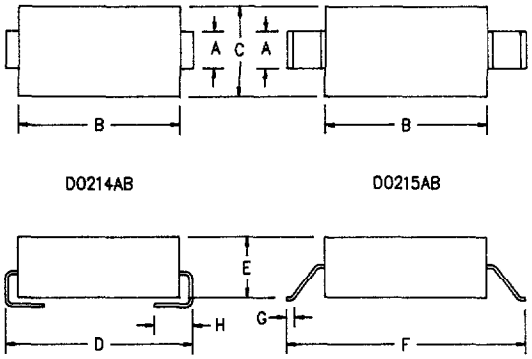
5 Amp Schottky Rectifier
LSM535, 540, 545

C



DO214AB DO215AB

Dim.	Inches		Millimeter		
	Minimum	Maximum	Minimum	Maximum	Notes
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
LSM535*	35V	35V
LSM540*	40V	40V
LSM545*	45V	45V

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

- Schottky Barrier Rectifier
- Guard Ring for Reverse Protection
- *Low power loss, High efficiency*
- V_{RRM} 45 Volts Maximum
- Reverse Energy Tested

Electrical Characteristics

Average forward current	$I_{F(AV)}$	5 Amps	Square wave 8.3ms, half sine, T_J = 150°C
Maximum surge current	I_{FSM}	300 Amps	
Max peak forward voltage	V_{FM}	.42 Volts	I_{FM} = 5A; T_J = 150°C*
Max peak forward voltage	V_{FM}	.52 Volts	I_{FM} = 5A; T_J = 25°C*
Max peak reverse current	I_{RM}	500 mA	V_{RRM}, T_J = 125°C*
Max peak reverse current	I_{RM}	2 mA	V_{RRM}, T_J = 25°C
Typical junction capacitance	C_J	380 pF	V_R = 5.0V, T_J = 25°C

*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

LSM535, 540, 545

Figure 1
Typical Forward Characteristics

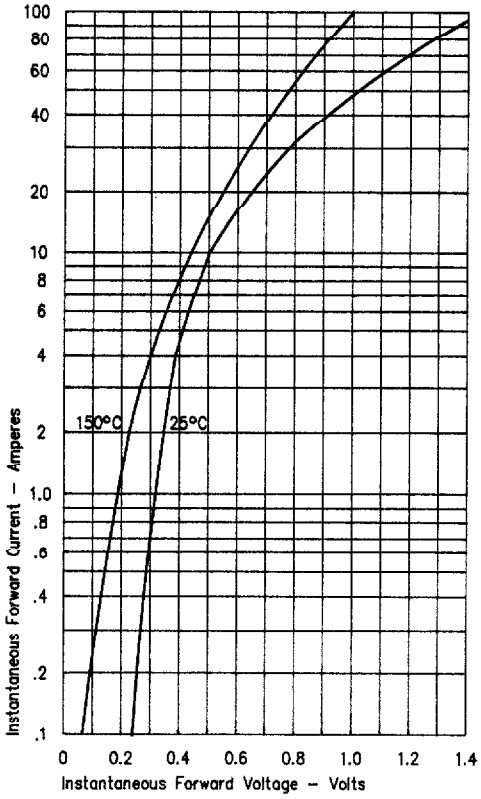


Figure 2
Typical Reverse Characteristics

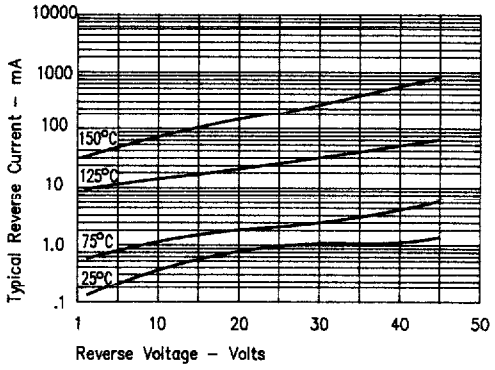
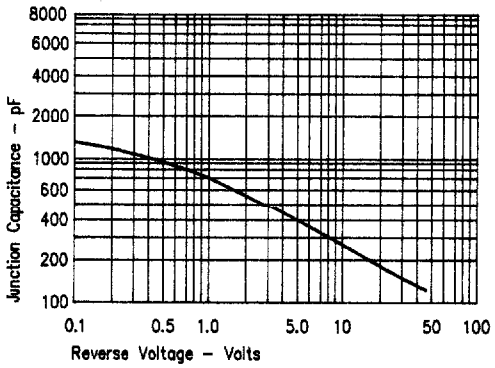


Figure 3
Typical Junction Capacitance



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Microchip:

LSM535Je3/TR13 LSM540Ge3/TR13 LSM545Je3/TR13