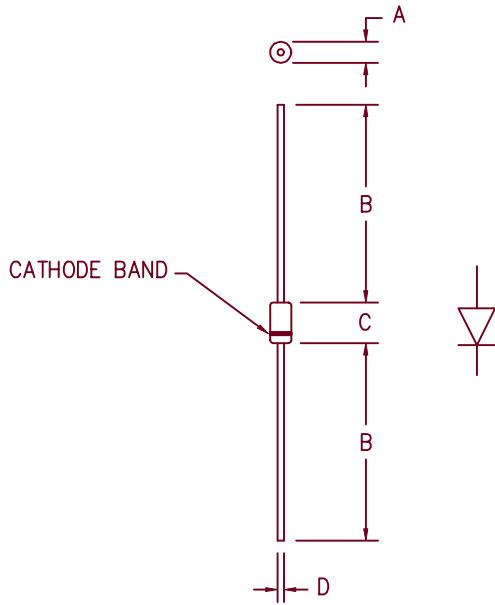


8 Amp Schottky Rectifier MSP835, MSP845

[查询"MSP835"供应商](#)



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	.188	.260	4.78	6.50	Dia.
B	1.00	---	25.4	---	
C	.285	.375	7.24	9.52	
D	.046	.056	1.17	1.42	Dia.

PLASTIC D0201AD

Microsemi Catalog Number	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage	- Schottky Barrier Rectifier - Guard Ring Protection - Low Forward Voltage 150°C Junction Temperature - High Current Capability - V_{RR} 35 to 45 Volts
MSP835	35V	35V	
MSP845	45V	45V	

Electrical Characteristics

Average forward current	I _{F(AV)} 8.0 Amps	TA = 112°C Square wave, R _{θJL} = 9.0°C/W, L = 3/8"
Maximum surge current	I _{F(AV)} 400 Amps	8.3 ms, half sine, T _J = 150°C
Max peak forward voltage	V _{FM} .40 Volts	IFM = 8.0A: T _J = 150°C *
Max peak forward voltage	V _{FM} .52 Volts	IFM = 8.0A: T _J = 25°C *
Max peak reverse current	I _{RM} 2 mA	V _{RRM} , T _J = 25°C
Typical junction capacitance	C _J 575 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}	-55°C to 150°C
Operating junction temp range	T _J	-55°C to 150°C
Maximum thermal resistance	L = 3/8" R _{θJL}	9.0°C/W Junction to lead
Weight		.032 ounces (1.0 grams) typical

MSP835, MSP845

[查询"MSP835"供应商](#)

Figure 1
Typical Forward Characteristic

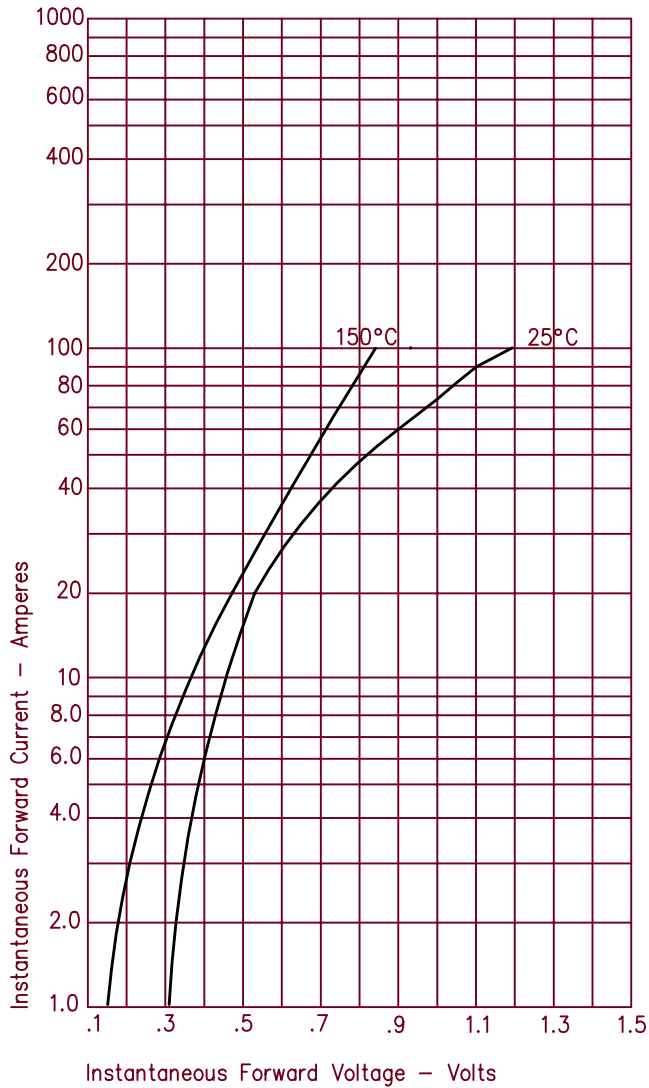


Figure 3
Typical Junction Capacitance

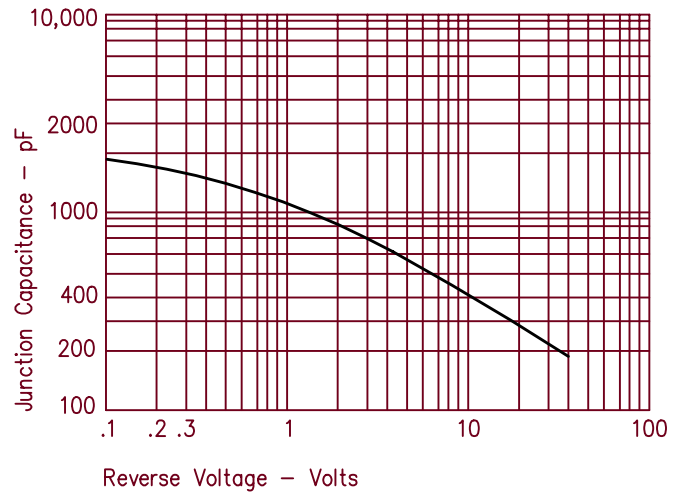


Figure 2
Typical Reverse Characteristics

