

Maximum Ratings ($@T_A = +25^{\circ}C$, unless otherwise specified.)

Single phase, half wave, 60Hz, resistive or inductive load.

For	са	pacitive	load,	derate	current l	by 20%.	

Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _{RM}	60	V
Average Rectified Output Current	lo	2	А
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load	I _{FSM}	50	А

Thermal Characteristics

Characteristic	Symbol	Value	Unit
Typical Thermal Resistance Junction to Ambient (Note 5)	R _{θJA}	100	°C/W
Typical Thermal Resistance Junction to Case (Note 5)	R _{θJC}	50	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-55 to +150	°C

Electrical Characteristics (@T_A = +25°C, unless otherwise specified.)

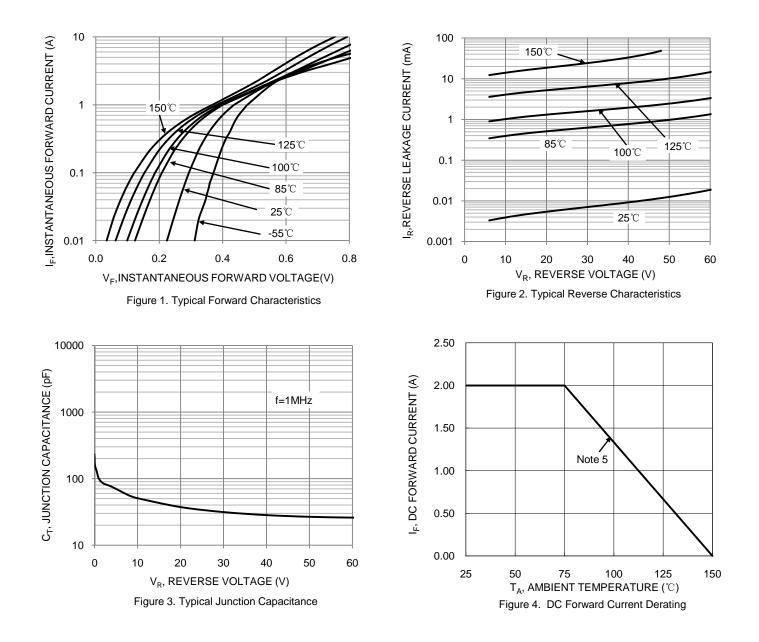
Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Forward Voltage Drop	V _F		0.55	0.65	V	I _F = 2A, T _J = +25°C
Torward Voltage Drop		—	0.52			$I_F = 2A, T_J = +125^{\circ}C$
Leakage Current (Note 6)	I _R		0.02	0.2	mA	V _R = 60V, T _J = +25°C
Leakage Current (Note 6)		—	14	—		V _R = 60V, T _J = +25°C V _R = 60V, T _J = +125°C
Typical Capacitance	Ст	_	75	_	pF	$V_R = 4.0V$, f = 1MHz

 Notes:
 5. Device mounted on FR-4 substrate, 0.4" x 0.5", 2oz, single-sided, PC boards with 0.2" x 0.25" copper pad.

 6. Short duration pulse test used to minimize self-heating effect.



B260S1F



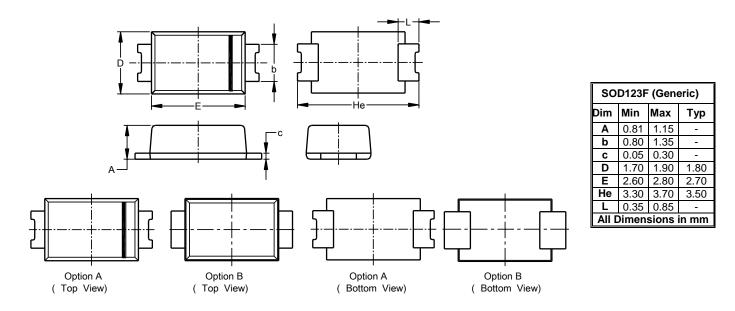
B260S1F Document number: DS39237 Rev. 2 - 2 Downloaded from Arrow.com.



Package Outline Dimensions

Please see http://www.diodes.com/package-outlines.html for the latest version.

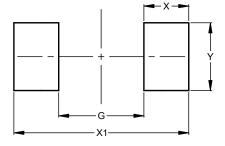
SOD123F (Generic)



Suggested Pad Layout

Please see http://www.diodes.com/package-outlines.html for the latest version.

SOD123F (Generic)



Dimensions	Value (in mm)		
G	1.90		
Х	1.00		
X1	3.90		
Y	1.50		



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