

Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _R WM V _R	30	V
Forward Continuous Current (Note 5)	I _F	200	mA
Repetitive Peak Forward Current (Note 5)	I _{FRM}	300	mA
Forward Surge Current (Note 5) @ t < 1.0s	I _{FSM}	600	mA

Thermal Characteristics

Characteristic	Symbol	Value	Unit
Power Dissipation (Note 5)	P_{D}	200	mW
Thermal Resistance Junction to Ambient Air (Note 5)	$R_{ heta JA}$	625	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to +125	°C

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

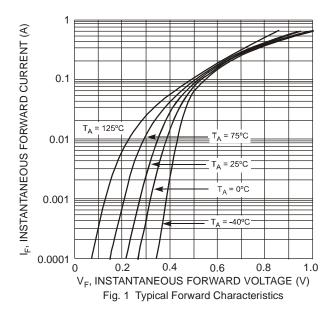
Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse Breakdown Voltage (Note 6)	V _{(BR)R}	30	_	_	V	$I_R = 100\mu A$
Forward Voltage	VF	_		240 320 400 500 1000	mV	I _F = 0.1mA I _F = 1mA I _F = 10mA I _F = 30mA I _F = 100mA
Reverse Leakage Current (Note 6)	I_R	_	_	2.0	μΑ	V _R = 25V
Total Capacitance	C _T	_	_	10	pF	$V_R = 1.0V, f = 1.0MHz$
Reverse Recovery Time	t _{RR}	_	_	5.0	ns	I_F = 10mA through I_R = 10mA to I_R = 1.0mA, R_L = 100 Ω

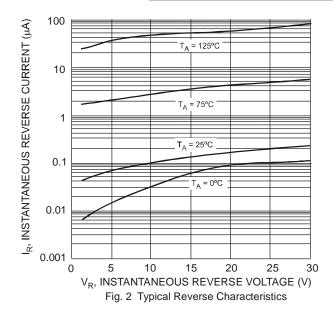
Notes:

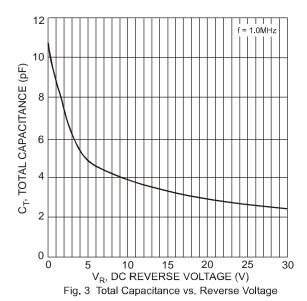
- 5. Mounted on FR-4 PC board with recommended pad layout which can be found on our website at http://www.diodes.com/package-outlines.html.6. Short duration pulse test used to minimize self-heating effect.

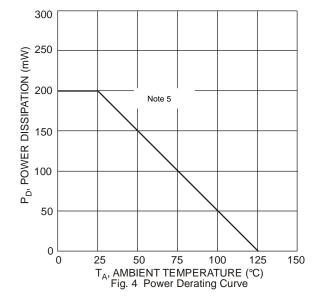










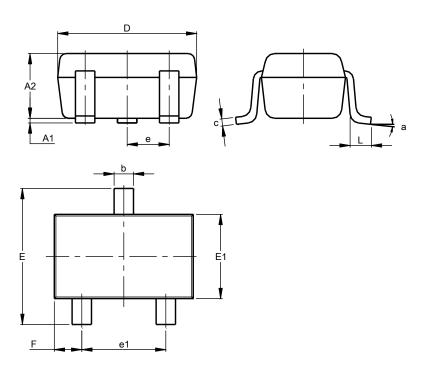




Package Outline Dimensions

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

SOT323

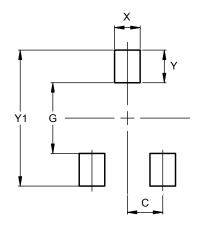


SOT323				
Dim	Min	Max	Тур	
A1	0.00	0.10	0.05	
A2	0.90	1.00	0.95	
b	0.25	0.40	0.30	
C	0.10	0.18	0.11	
D	1.80	2.20	2.15	
Е	2.00	2.20	2.10	
E1	1.15	1.35	1.30	
е	0.650 BSC			
e1	1.20	1.40	1.30	
F	0.375	0.475	0.425	
L	0.25	0.40	0.30	
а	0°	8°		
All Dimensions in mm				

Suggested Pad Layout

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

SOT323



Dimensions	Value		
Dillielisiolis	(in mm)		
С	0.650		
G	1.300		
Х	0.470		
Y	0.600		
Y1	2.500		



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