

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

Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	30	٧
RMS Reverse Voltage	VR(RMS)	21	V
Average Rectified Output Current	lo	100	mA
Non-Repetitive Peak Forward Surge Current (8.33ms Half-Sine Waveform)	I _{FSM}	2	А

Thermal Characteristics

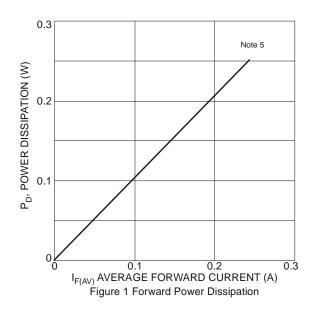
Characteristic	Symbol	Value	Unit
Power Dissipation (Note 5)	P _D	250	mW
Thermal Resistance Junction to Ambient Air (Note 5)	$R_{ hetaJA}$	500	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to +150	°C

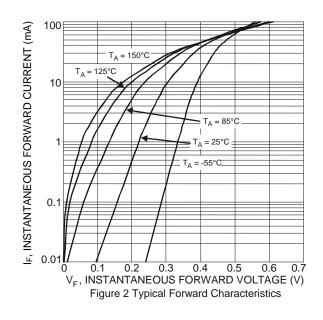
Electrical Characteristics (@T_A = +25°C, unless otherwise specified.)

Characteristic	Symbol	Min	Тур	Max	Unit	Test Condition
Forward Voltage	V _F	_	_	0.37	V	$I_F = 10mA$
		_	0.20	_		I _F = 10mA; T _A = +125°C
Leakage Current (Note 6)	IR	_	_	7	uA H	V _R = 10V
		_	4	_		$V_R = 30V$

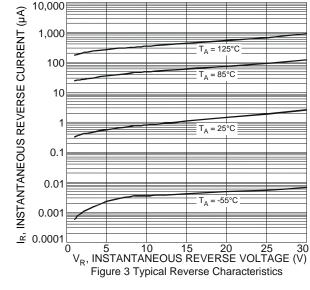
Notes:

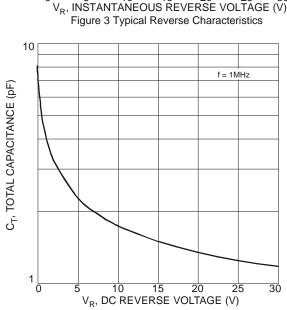
- 5. Part mounted on FR-4 PC board with recommended pad layout, which can be found on our website at http://www.diodes.com/package-outlines.html.
- 6. Short duration pulse test used to minimize self-heating effect.

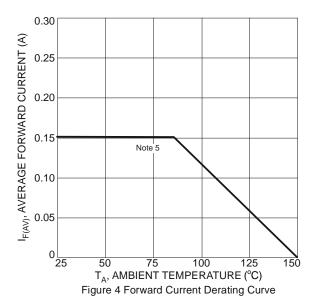








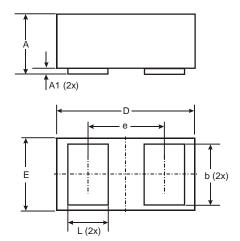




Package Outline Dimensions

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

Figure 5 Total Capacitance vs. Reverse Voltage

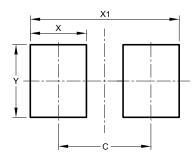


X3-DFN0603-2				
Dim	Min	Max	Тур	
Α	0.27	0.35	0.30	
A1	0.00	0.03	0.02	
b	0.19	0.29	0.24	
D	0.595	0.645	0.62	
Е	0.295	0.345	0.32	
е	-	-	0.355	
L	0.14	0.24	0.19	
All Dimensions in mm				



Suggested Pad Layout

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



Dimensions	Value (in mm)
С	0.380
Х	0.230
X1	0.610
Υ	0.300

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