



1. Case: Molded Plastic, DO-41
2. Terminals: Axial leads, solderable per MIL-STD-202 method 208
3. Polarity: Band denotes cathode
4. Mounting Position: Any
5. Weight 0.013 ounce, 0.3 gram

Maximum Ratings and Electrical Characteristics:
(Rating at 25°C ambient temperature unless otherwise specified
(Single phase, half wave, 60 Hz, resistive or inductive load.)

1. Operating and Storage Temperature Range: -55°C to +150°C
2. Reverse Recovery Time (t_r) = 0.5A, I_s = 1A, I_r = 0.25A
3. Typical Junction Resistance (Note 2) R_{θJA}: 60.0°C/W
4. Typical Junction Capacitance (Note 1) C_j: 17.0 pF
5. at Rated T_j = 25°C: 10.0 μA
6. at Reverse Voltage V_r = 100°C: 500 μA

1. Measured at 1 MHz and applied reverse voltage of 4.0 VDC
2. Thermal resistance from junction to ambient and from junction to lead length 0.375" (9.5mm) P-C Board mounted



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TOLERANCES:

UNLESS OTHERWISE

DIMENSIONS ARE
FOR REFERENCE
PURPOSES ONLY.

DISCLAIMER:

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DRAWN BY:	DATE:
VEE	10-08-10
CHECKED BY:	DATE:
JAG	11-08-10
APPROVED BY:	DATE:
XXX	24-08-10

Ultrafast Switching Rectifier, 1.0 Ampere

DWG. NO. ZE

ELECTRONIC FILE

REV

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1888

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www

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SCALE:

U.O.M.: Millimeters

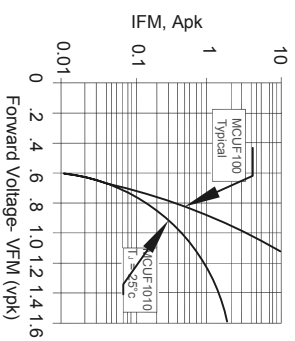
SHEET:



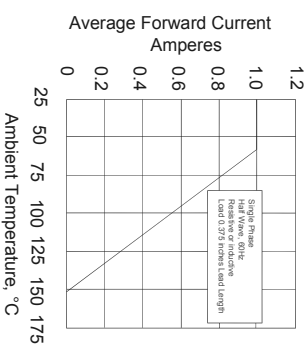
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SPC-F005.DWG

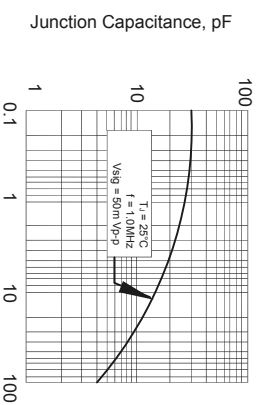
REVISIONS				DOC. NO.	SPC-F005	Effective: 7/8/02		DCP No: 1398
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
			VEE	10-08-10	JAG	11-08-10	XXX	24-08-10



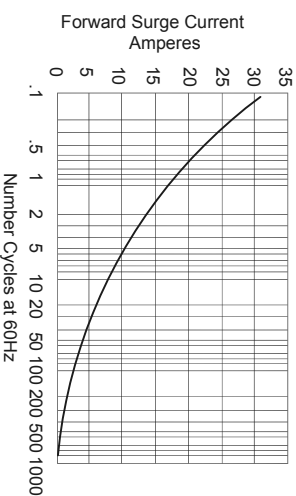
Forward Current Derating Curve



Forward Current Derating Curve



Typical Junction Capacitance



Peak Forward Surge Current

Part Number Table

Description	Part Number
Ultrafast Switching Rectifier, 1.0 Ampere	UF108-RH

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DRAWN BY:	DATE:	DRAWING TITLE:	
VEE	10-08-10	Ultrafast Switching Rectifier, 1.0 Ampere	
CHECKED BY:	DATE:	SIZE	DWG. NO.
JAG	11-08-10	A	XXX
APPROVED BY:	DATE:	SCALE:	NTS
XXX	24-08-10	U.O.M.: Millimeters	SHEET: 1 OF 1