

1N5400L THRU 1N5408L

Features

- Halogen free available upon request by adding suffix "-HF"
- Low Current Leakage and Low Forward Voltage
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

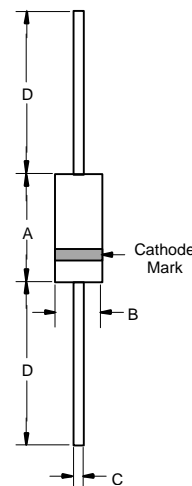
Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 30 °C/W Junction To Lead

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
1N5400L	1N5400L	50V	35V	50V
1N5401L	1N5401L	100V	70V	100V
1N5402L	1N5402L	200V	140V	200V
1N5404L	1N5404L	400V	280V	400V
1N5405L	1N5405L	500V	350V	500V
1N5406L	1N5406L	600V	420V	600V
1N5407L	1N5407L	800V	560V	800V
1N5408L	1N5408L	1000V	700V	1000V

3 Amp Rectifier 50 - 1000 Volts

DO-201AD



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	3.0A	$T_a = 65^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	120A	8.3ms, half sine
Forward Voltage	V_F	1.1V	$I_F = 3.0\text{A}; T_a = 25^\circ\text{C}$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5.0 μA 100 μA	$T_a = 25^\circ\text{C}$ $T_a = 150^\circ\text{C}$
Typical Junction Capacitance	C_J	40pF	Measured at 1.0MHz, $V_R = 4.0\text{V}$

Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.287	.374	7.30	9.50	
B	.189	.208	4.80	5.30	
C	.048	.052	1.20	1.30	
D	1.000	---	25.40	---	

1N5400L thru 1N5408L

Characteristics(Typical)

FIG.1
FORWARD CURRENT DERATING CURVE

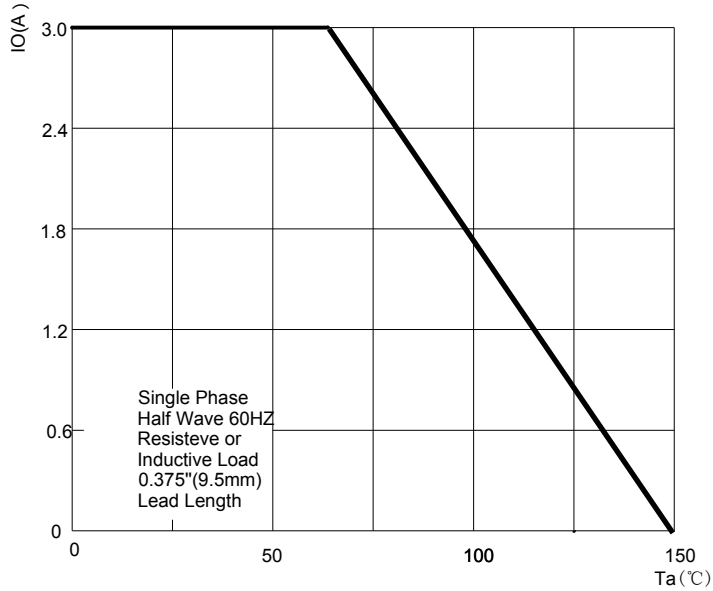


FIG.2
MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

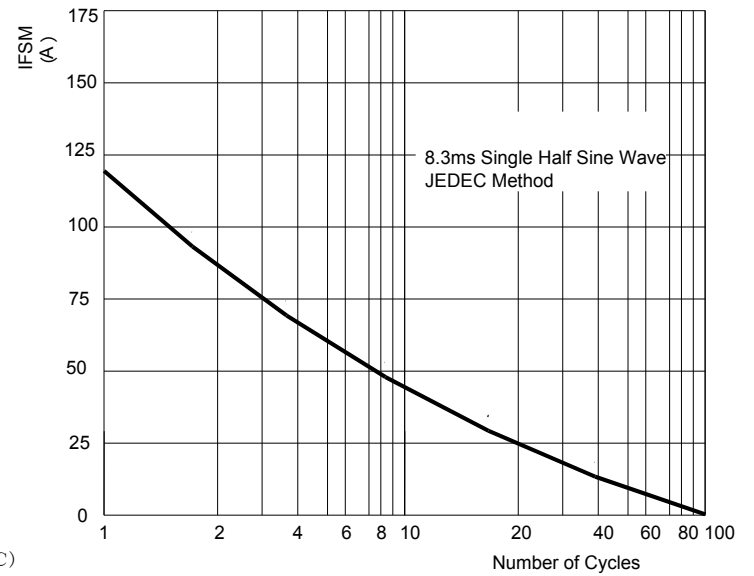


FIG.3
TYPICAL FORWARD CHARACTERISTICS

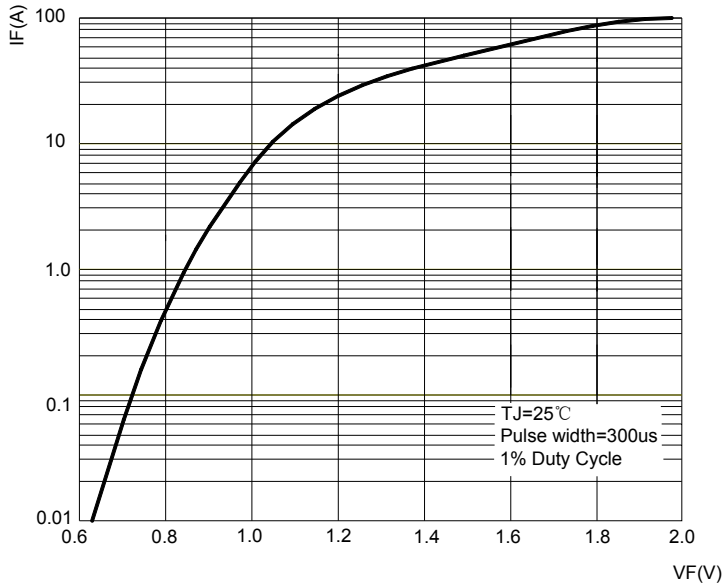
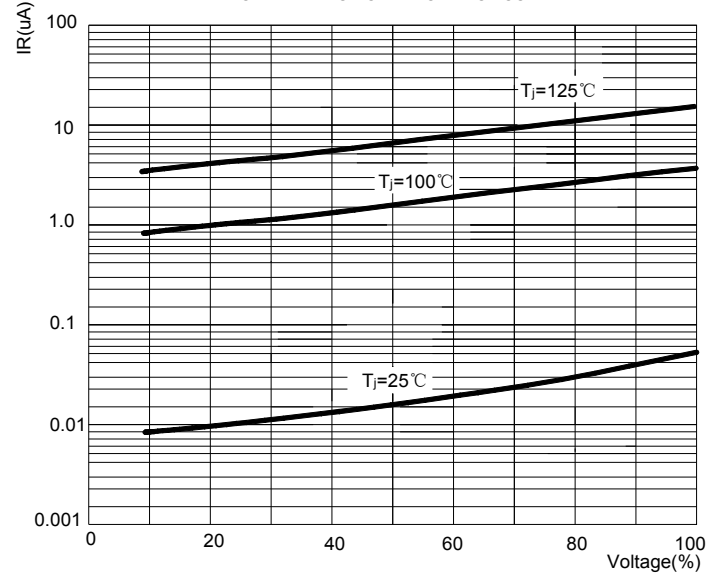


FIG.4
TYPICAL REVERSE CHARACTERISTICS



Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 1.2Kpcs/Reel
Part Number-AP	Ammo Packing: 1.2Kpcs/Ammo Box
Part Number-BP	Bulk: 12Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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