



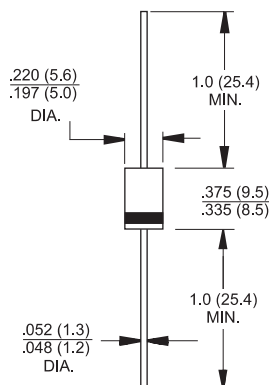
Features

- ✧ High efficiency, Low VF
- ✧ High current capability
- ✧ High reliability
- ✧ High surge current capability
- ✧ Low power loss

Mechanical Data

- ✧ Cases: Molded plastic
- ✧ Epoxy: UL 94V-0 rate flame retardant
- ✧ Polarity: Color band denotes cathode
- ✧ High temperature soldering guaranteed:
260°C/10 seconds/.375", (9.5mm) lead
lengths at 5 lbs., (2.3kg) tension
- ✧ Weight: 1.2 grams

DO-201AD



Dimensions in inches and (millimeters)

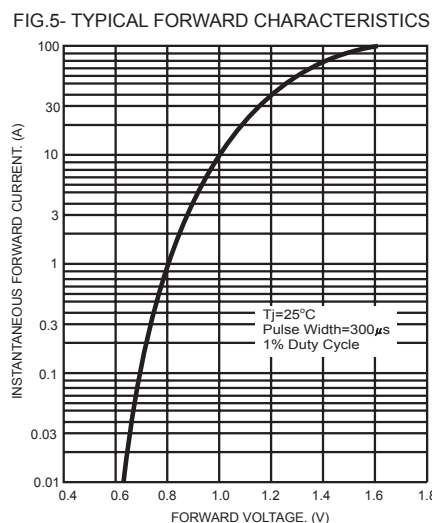
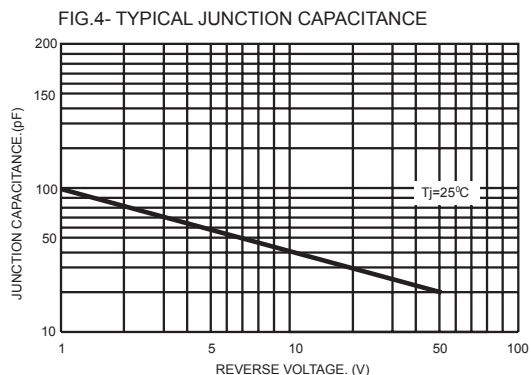
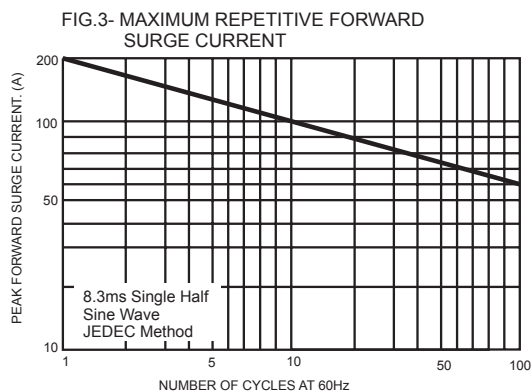
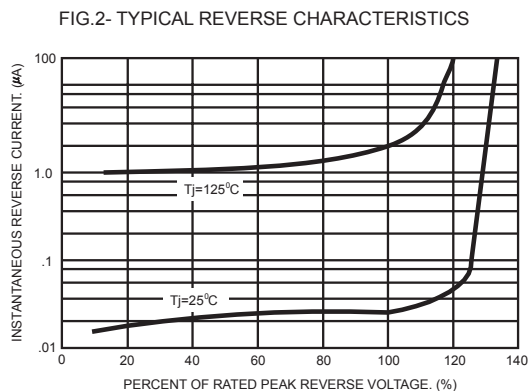
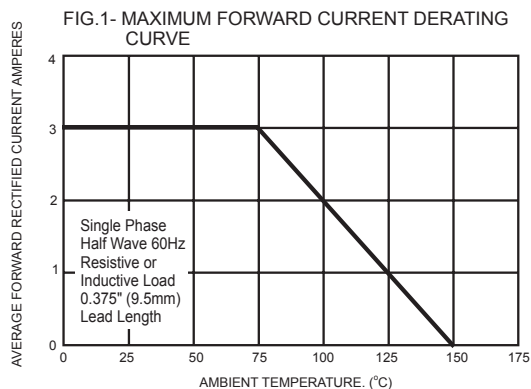
Maximum Ratings and Electrical Characteristics

Rating at 25 °C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%

Type Number	Symbol	1N 5400	1N 5401	1N 5402	1N 5404	1N 5406	1N 5407	1N 5408	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current .375 (9.5mm) Lead Length @ $T_A = 75^\circ C$	$I_{(AV)}$	3.0							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I_{FSM}	150							A
Rating for Fusing ($t < 8.3ms$)	I^2t	93.375							A ² s
Maximum Instantaneous Forward Voltage @ 3.0A	V_F	1.0							V
Maximum DC Reverse Current @ $T_A = 25^\circ C$ at Rated DC Blocking Voltage @ $T_A = 125^\circ C$	I_R	5.0 100							uA uA
Maximum Full Load Reverse Current, Full Cycle Average .375"(9.5mm) Lead Length @ $T_L = 75^\circ C$	HT_{IR}	30							uA
Typical Junction Capacitance (Note 1)	C_j	50							pF
Typical Thermal Resistance (Note 2)	$R_{\theta JA}$	40							°C/W
Operating Temperature Range	T_J	-65 to +150							°C
Storage Temperature Range	T_{STG}	-65 to +150							°C

Notes: 1. Measured at 1 MHz and Applied Reverse Voltage of 4.0 V D.C.
2. Mount on Cu-Pad Size 16mm x 16mm on P.C.B.

RATINGS AND CHARACTERISTIC CURVES (1N5400 THRU 1N5408)



PACKAGE	SPQ/PCS	CARTON SPQ/PCS	CARTON SIZE/CM	CARTON GW/KG	CARTON NW/KG
DO-27	1250/AMMO	12500	40X26.5X30	14.00	12.00

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Diodes - General Purpose, Power, Switching](#) ***category:***

Click to view products by [LGE](#) ***manufacturer:***

Other Similar products are found below :

[RD0306T-TL-H](#) [RD0506T-TL-H](#) [DCD010-TB-E](#) [DSE010-TR-E](#) [NTE6244](#) [FC903-TR-E](#) [1N4449](#) [1N456A](#) [1N914BTR](#) [RFUH20TB3S](#)
[BAW75-TAP](#) [JAN1N3600](#) [BAV70HDW-7](#) [BAS28 TR](#) [1SS388-TP](#) [SI-A1125](#) [UF3G](#) [SHV-06JNS-Q](#) [2CL75A](#) [MCL4148PF](#) [1SS226,LF\(T](#)
[1SS352\(TPH3,F\)](#) [1SS306\(TE85L.F\)](#) [KDS122-RTK/P](#) [KDS135-RTK/PU](#) [DB107](#) [S-LBAS16HT1G](#) [P1200M](#) [KDS160E-RTL/P](#) [DB106S](#)
[DB207](#) [DB157](#) [DB155](#) [DB206](#) [2CL74](#) [DB105](#) [DB156S](#) [DB206S](#) [DB156](#) [BAV199](#) [1SS181,LF\(T](#) [CRG09A,LXGQ](#) [CRG09A,LQ\(M](#) [DB106](#)
[SDUR1530](#) [S2KTR](#) [S2MTR](#) [GL1M](#) [CD4148WSP](#) [CD4148WTP](#)