



1N5391G THRU 1N5399G

1.5 AMPS.Glass Passivated Rectifiers

1.Features

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability

DO-15

2.Mechanical Data

- Case:Molded plastic DO-15
- Terminals: Axial leads solderable to MIL-STD-202,Method 208
- Polarity: Color band dentes cathode end
- Mounting Position:Any



Cathode —> —> Anode

3.Maximum Ratings and Electrical Characteristics

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

Type Number	Symbol	1N5391G	1N5392G	1N5393G	1N5394G	1N5395G	1N5396G	1N5397G	1N5398G	1N5399G	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RM}	50	100	200	300	400	500	600	800	1000	V
Maximum RMS Voltage	V _{RMS}	35	70	140	210	280	350	420	560	700	V
Maximum DC Blocking Voltage	V _{DC}	50	100	200	300	400	500	600	800	1000	V
Average Rectified Output Current (Note 1) @T _L =100℃	I _{F(AV)}	1.5									A
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	50									A
I ² t Rating for Fusing (t<8.3ms)	I ² t	10.375									A ² s
Forward Voltage @IF=1.5A	V _{FM}	1.1									V
Peak Reverse Current @T _A =25 ℃	I _R	5.0									uA
At Rated DC Blocking Voltage @T _A =125 ℃		100									
Typical Junction Capacitance (Note 2)	C _J	10									pF
Typical Thermal Resistance Junction to Ambient	R _{θJA}	65									℃/W
Operating Temperature Range	T _J	-55 to+150									℃
Storage Temperature Range	T _{STG}	-55 to+150									℃

Note: : 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case

2. Measured at 1.0 MHz and Applied reverse Voltage of 4.0V D.C



4. Rating And Characteristic Curves

Fig.1 Forward Current Derating Curve

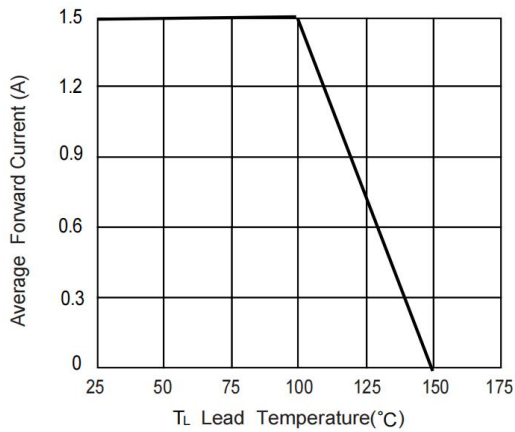


Fig. 2 Typ. Forward Characteristics

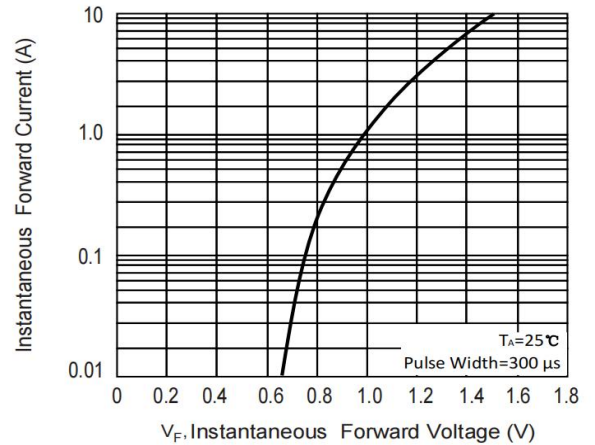


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current

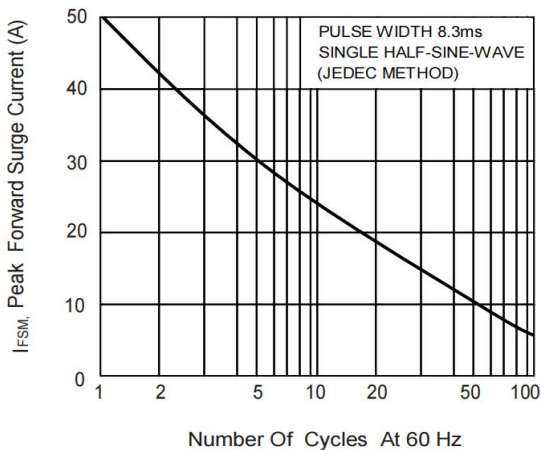


Fig.4 Typical Junction Capacitance

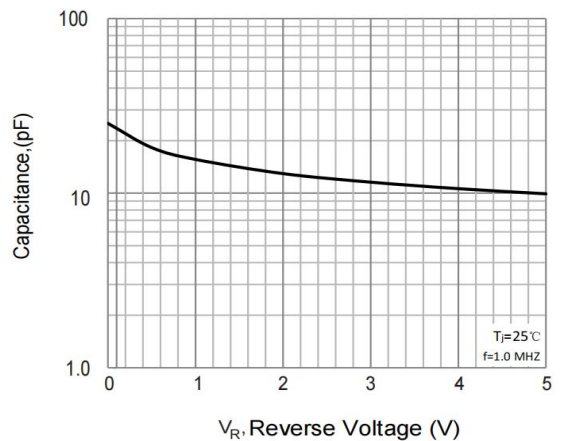
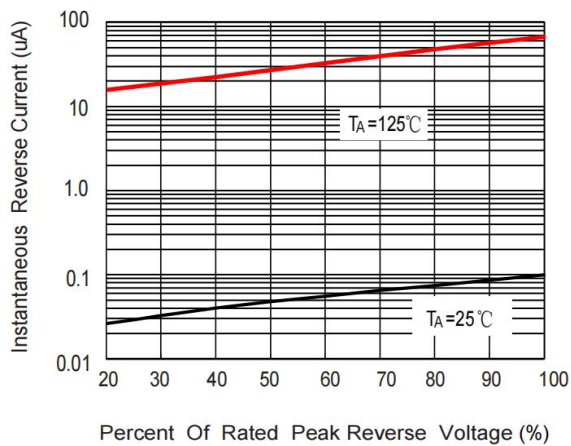


Fig.5 Typical Reverse Characteristics

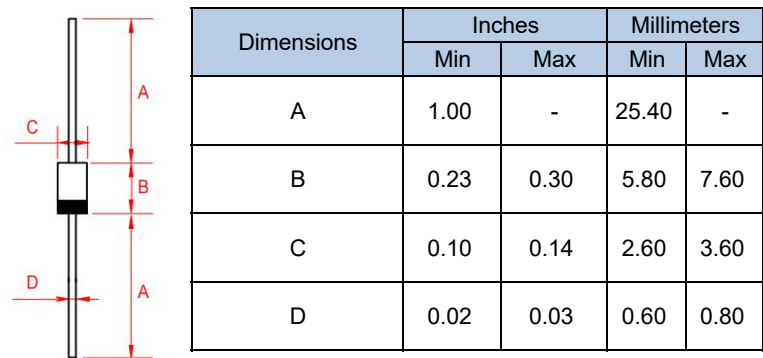




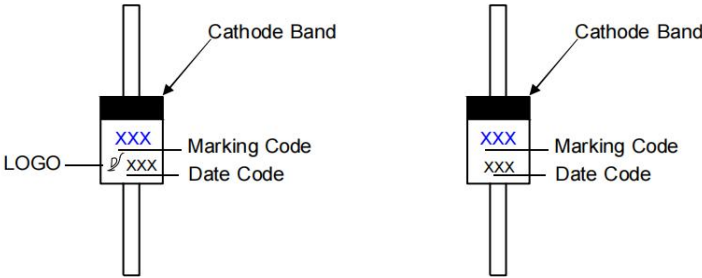
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5. Dimensions



6. Part Marking System



7. Package Information

Package	Packing
DO-15	3000 / Tape & Reel



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