

1N5391G~1N5399G

GLASS PASSIVATED JUNCTION RECTIFIERS

VOLTAGE 50 to 1000 Volt **CURRENT** 1.5 Ampere

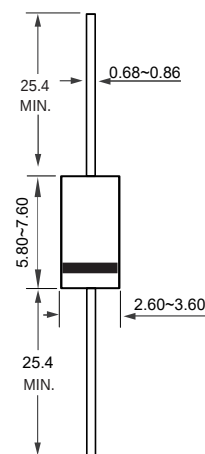
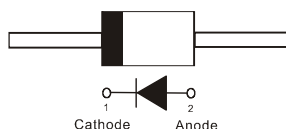
DO-15 Unit:mm

FEATURES

- Halogen free available upon request by adding suffix "-HF"
- Low Leakage Current
- High Current Capability
- Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Moisture Sensitivity Level 1

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	1N5391G	1N5392G	1N5393G	1N5394G	1N5395G	1N5396G	1N5397G	1N5398G	1N5399G	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	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
Maximum Average Forward Current)	$I_{F(AV)}$	1.5									A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50									A
Maximum Forward Voltage at 1.5 A	V_F	1.1									V
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$	I_R	5.0 100									μA
Typical Junction Capacitance	C_J	20									pF
Typical Thermal Resistance(Junction To Lead)	$R_{\theta JA}$	26									$^\circ\text{C} / \text{W}$
Operating Junction Temperature Range	T_J	-55 to +150									$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150									$^\circ\text{C}$

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

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RATING AND CHARACTERISTIC CURVES

Figure 1
Typical Forward Characteristics

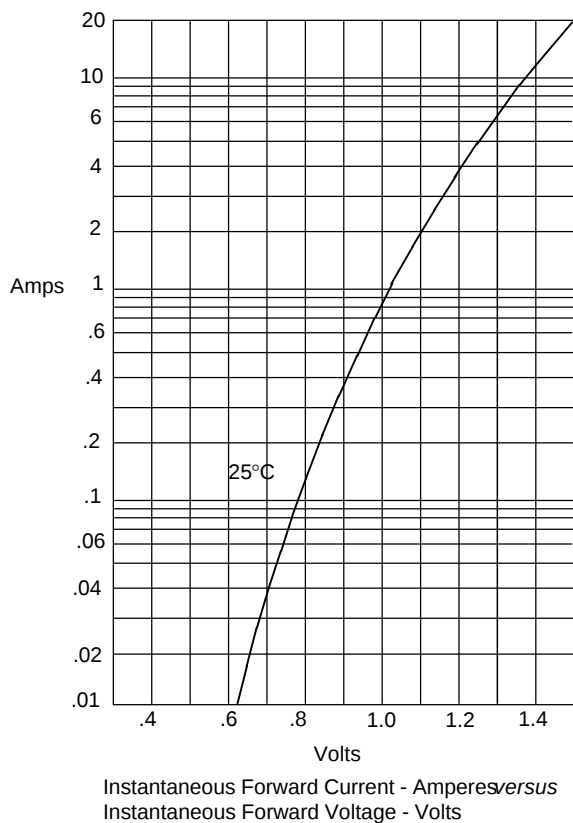


Figure 2
Forward Derating Curve

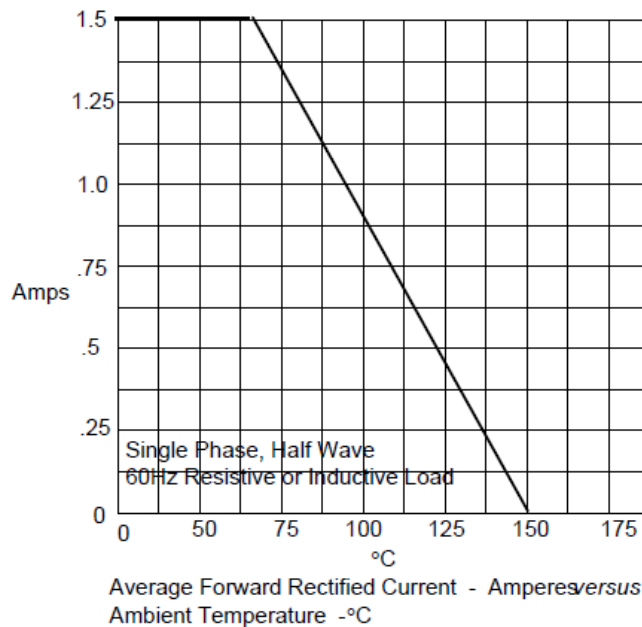


Figure 4
Peak Forward Surge Current

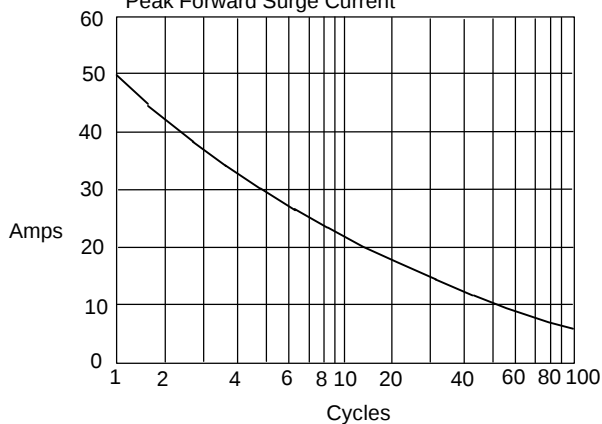
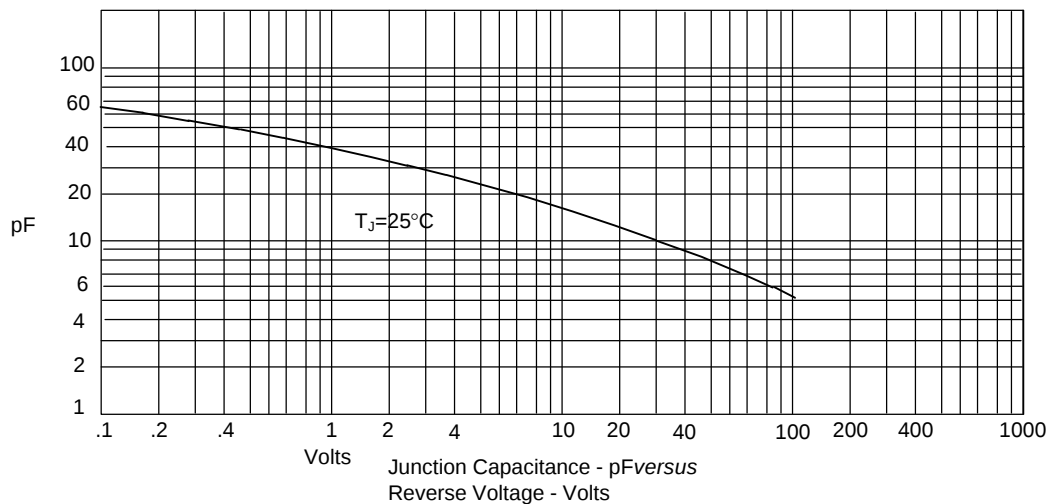


Figure 3
Junction Capacitance



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ORDER INFORMATION

- Packing information

1N5391G~1N5399G	Packing Quantity
Tape&Reel	13 Inch; 4kpcs/Reel
Ammo Packing	3kpcs/Ammo Box
Bulk(Tube/Box)	1kpcs/Box