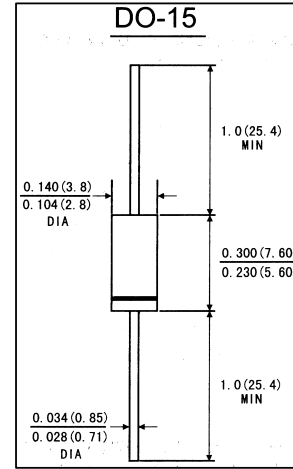


FEATURES

- . The plastic package carries Underwrites Laboratory Flammability Classification 94V-0
- . High current capability
- . Low reverse leakage
- . Glass passivated junction
- . Low forward voltage drop
- . High temperature soldering guaranteed: 350°C/10 seconds, 0.375"(9.5mm)lead length,5lbs.(2.3kg)tension

MECHANICAL DATA

- . **Case:** JEDEC DO-15 molded plastic body
- . **Terminals:** Plated axial lead solderable per MIL-STD-750,method 2026
- . **Polarity:** Color band denotes cathode end
- . **Mounting Position:** Any
- . **Weight:** 0.014 ounce, 0.39 gram



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	Symbols	1N 201G	1N 202G	1N 203G	1N 204G	1N 205G	1N 206G	1N 207G	Units
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	300	400	600	200	1000	Volts
Maximum RMS voltage	V_{RMS}	35	70	210	280	420	140	700	Volts
Maximum DC blocking voltage	V_{DC}	50	100	300	400	600	200	1000	Volts
Macimum average forward rectified current 0.375"(9.5mm)lead length at $T_A=75^\circ C$	$I_{(AV)}$	2.0							Amps
Peak forward surge current 8.3ms sing-wave superimposed on rated load (JEDEC method)	I_{FSM}	70.0							Amps
Maximum instantaneous forward voltage at 2.0 A	V_F	1.1							Volts
Maximum reverse current at rated DC blocking voltage	$T_A=25^\circ C$	5.0							μA
	$T_A=100^\circ C$	50.0							
Typical thermal resistance(Note 2)	$R \theta_{JA}$	40.0							$^\circ C/W$
Typical junction Capacitance(Note 1)	C_J	20.0							pF
Operating and storage temperature range	T_J T_{STG}	-50 to +175							$^\circ C$

- Notes:** 1. Measured at 1MHz and applied reverse voltage of 4.0V DC
2. Thermal resistance from junction to ambient and from junction lead at 0.375"(9.5mm)lead length, P.C.B. Mounted

Reverse Voltage - 50 to 1000 Volts

Forward Current - 2.0Amperes

RATINGS AND CHARACTERISTIC CURVES RL201G THRU RL207G

FIG.1-FORWARD CURRENT DERATING CURVE

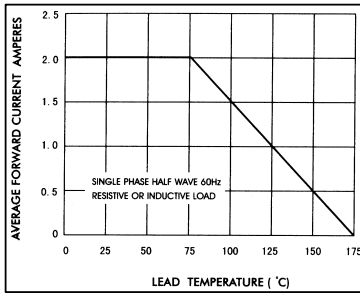


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

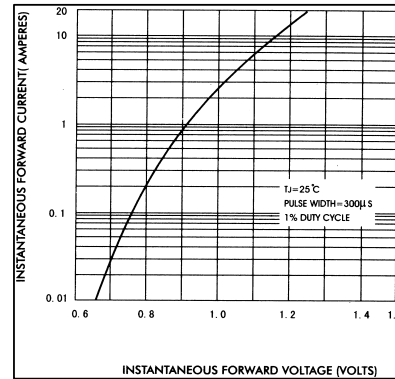


FIG.3-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

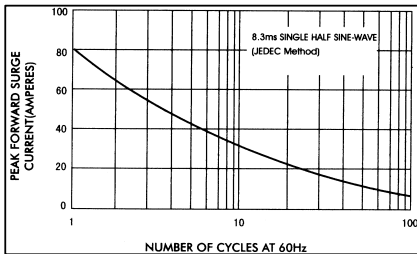


FIG.4-TYPICAL REVERSE CHARACTERISTICS

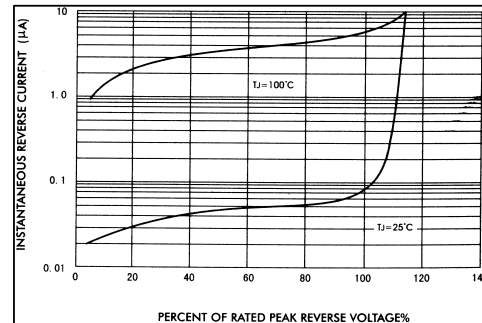


FIG.5-TYPICAL JUNCTION CAPACITANCE

