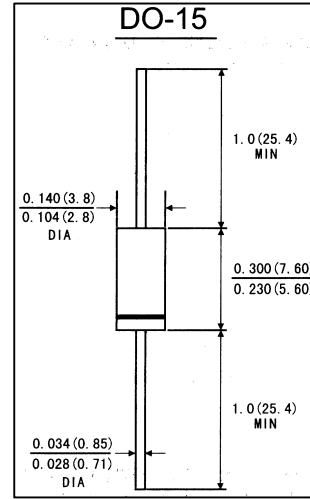


FEATURES

- . The plastic package carries Underwrites Laboratory Flammability Classification 94V-0
- . High current capaility
- . 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°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	TA=25°C	5.0							μ A
	TA=100°C	50.0							
Typical thermal resistance(Note 2)	R θ _{JA}	40.0							°C/W
Typical junction Capacitance(Note 1)	C _J	20.0							pF
Operating and storage temperature range	T _J T _{STG}	-50 to +175							°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

RATINGS AND CHARACTERISTIC CURVES RL201G THRU RL207G

FIG.1-FORWARD CURRENT DERATING CURVE

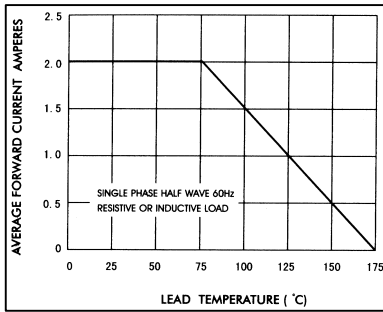


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

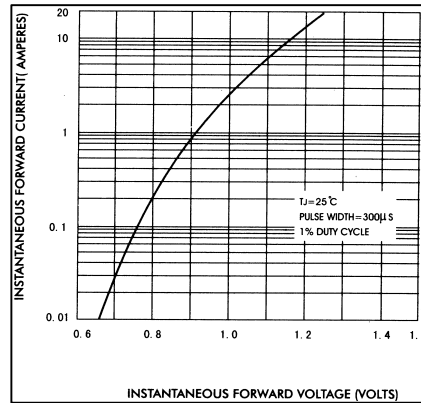


FIG.3-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

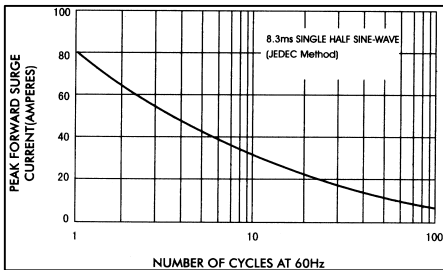


FIG.4-TYPICAL REVERSE CHARACTERISTICS

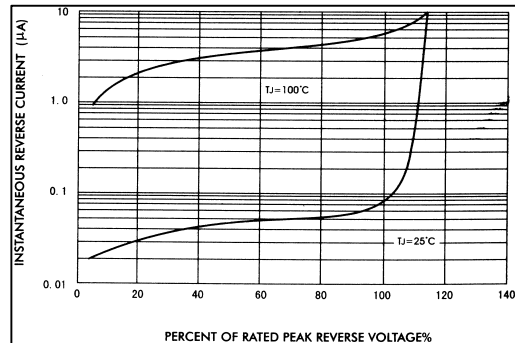


FIG.5-TYPICAL JUNCTION CAPACITANCE

