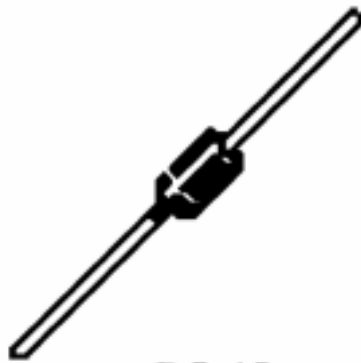


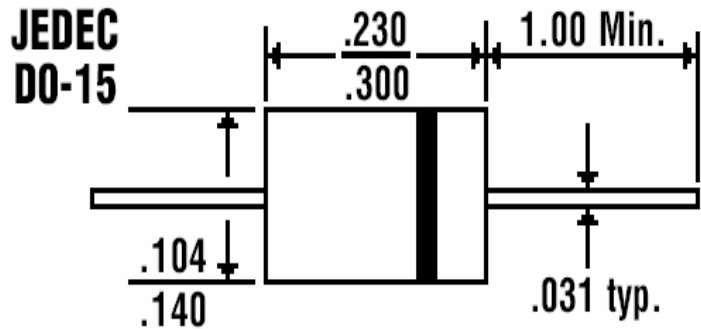


Description



DO-15

Mechanical Dimensions



Dimensions in inches and (millimeters)

Features

- Rating to 1000V
- Low forward voltage drop
- Low reverse leakage current
- High current capability
- The plastic material carries UL recognition 94V

Mechanical Data

- Polarity: Color band denotes Cathode
- Mounting position: Any
- Weight: 0.4 gram
- Case JEDEC DO-15 molded plastic
- Lead Tin plated copper

Maximum Rating and thermal Characteristic(Ta=25C unless otherwise notes)									
Parameter	Symbol	RL201G	RL202G	RL203G	RL204G	RL205G	RL206G	RL207G	Unit
Maximum Repetitive peak reverse voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	V
Maximum average forward Output current Ta=40C mounted on PC board	IF(av)	2.0							A
Peak forward surge current 8.3ms single half sin-wave superimpose on rated load(JEDEC Method)	IFSM	60							A
Max. instantanus forward voltage at 1.0A	VF	1.1							V
Max. DC reverse current Ta=25C	IR	5.0							uA
Max. DC reverse current Ta=100C	IR	50							uA
Typical thermal resistance note:2	Rthja	40							C/W
Typical thermal resistance note:3	Rthjl	15							C/W
Operating junction & storage Temp. range	Tj/Tstg	-55 ~+150							C

Note: (1) Measured at 1.0MHz and applied reverse voltage of 4.0 volts DC

(2) Thermal Resistance junction to ambient.

(3) Thermal Resistance junction to lead



Ratings and Characteristic Curves (Ta=25C unless otherwise noted)

FIG. 1 – FORWARD CURRENT DERATING

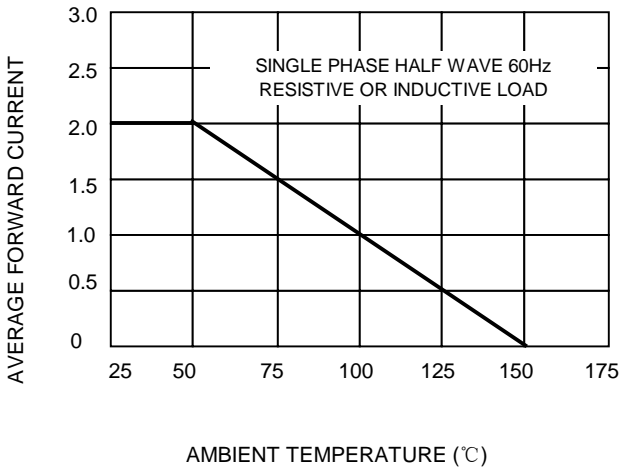


FIG. 2 – MAXIMUM NON-REPETITIVE SURGE CURRENT

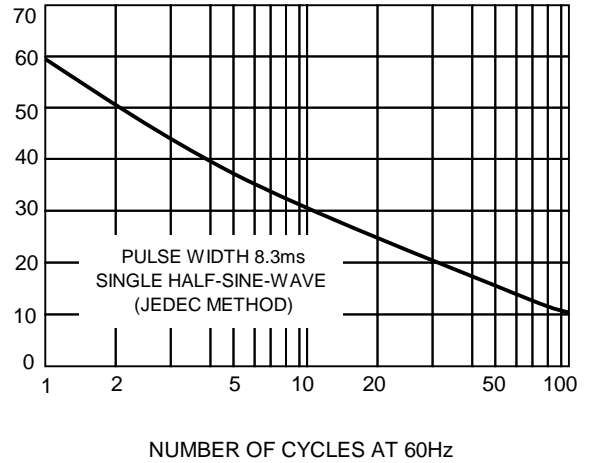


FIG.3 – TYPICAL JUNCTION CAPACITANCE

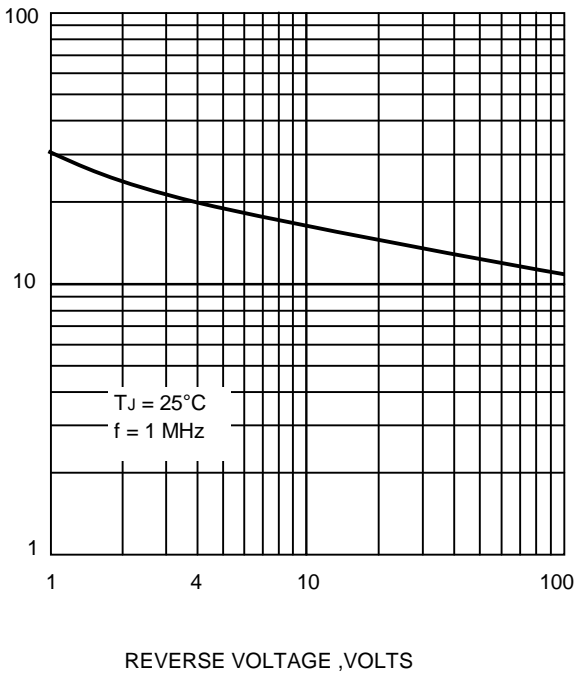


FIG.4-TYPICAL FORWARD CHARACTERISTICS

