

## Features

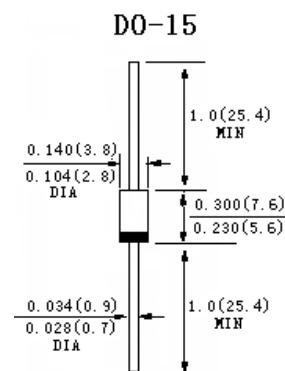
- Low reverse leakage
- High forward surge capability
- High reliability
- High temperature soldering guaranteed: 260°C/10seconds, 9.5mm lead length
- Lead and body according with RoHS standard

## Mechanical Data

Case: DO-15 Molded plastic

Epoxy: UL 94V-0 rate flame retardant

Lead: Pure tin plated, lead free



Dimensions in inches and (millimeters)

## Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified

Single phase, half wave, 60 Hz, resistive or inductive load

For capacitive load, derate current by 20%

TYPE NUMBER	Symbols	Value	Units
Maximum repetitive peak reverse voltage	$V_{RRM}$	1000	V
Maximum RMS voltage	$V_{RMS}$	700	V
Maximum DC blocking voltage	$V_{DC}$	1000	V
Maximum average forward rectified current 9.5mm lead length at $T_A=55^\circ C$	$I_{F(AV)}$	1.5	A
Peak Forward Surge Current, 8.3ms single half-wave superimposed on rated load (JEDEC method)	$I_{FSM}$	60	A
Maximum instantaneous forward voltage at 1.5A	$V_F$	0.92	V
Maximum instantaneous reverse current at rated DC blocking voltage	$I_{R1}$	5.0	$\mu A$
	$I_{R2}$	50.0	$\mu A$
Operating junction temperature range	$T_J$	-55 to +150	°C
Storage temperature range	$T_{stg}$	-55 to +150	°C

## Characteristic Curves

Fig. 1 - Forward Current Derating Curve

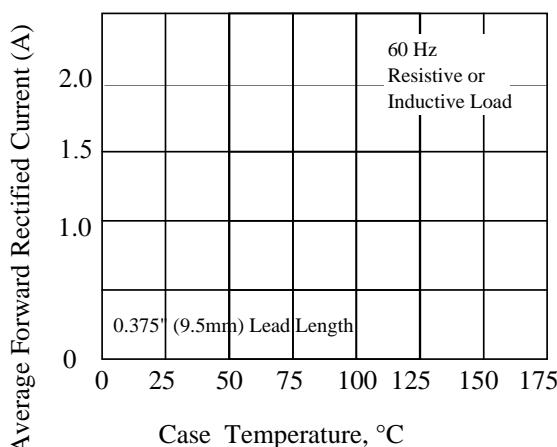


Fig. 2 - Maximum Non-repetitive Peak Forward Surge Current

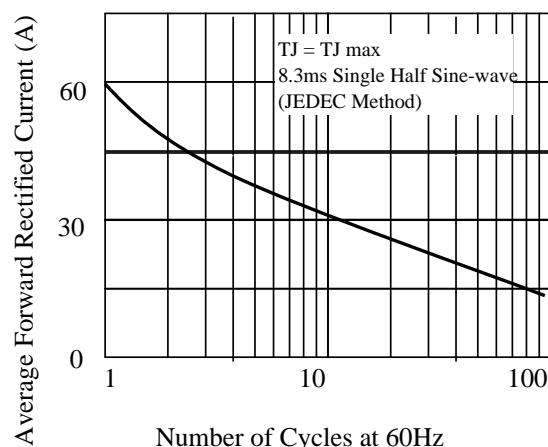


Fig 3. - Typical Instantaneous Forward Characteristics

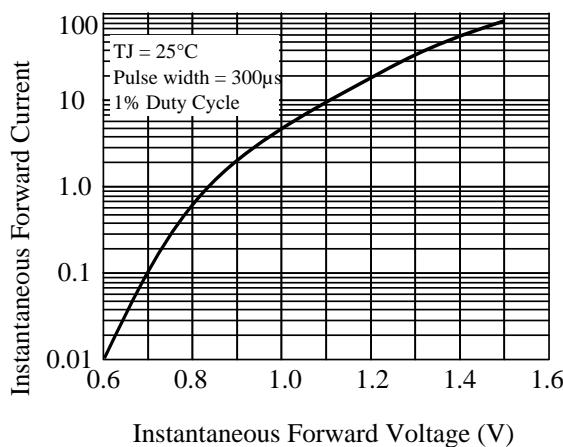


Fig 4. - Typical Reverse Characteristics

