

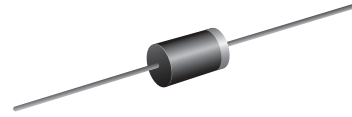
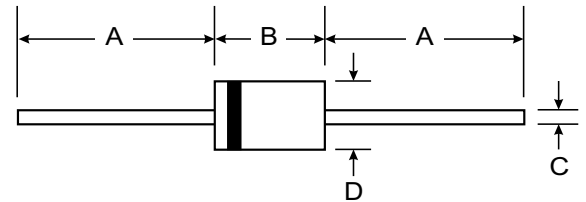
VOLTAGE RANGE: 400 - 600V
CURRENT: 1.5 A

Features

- High current capability
- High surge current capability
- High reliability
- Low reverse current
- Low forward voltage drop
- Fast switching for high efficiency

Mechanical Data

- Case : DO-15 Molded plastic
- Epoxy : UL94V-O rate flame retardant
- Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight : 0.465 gram



DO-15		
Dim	Min	Max
A	25.40	—
B	5.50	7.62
C	0.686	0.889
D	2.60	3.60
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics T_A = 25°C unless otherwise specified

RATING	SYMBOL	RU3M	RU3AM	UNIT
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	400	600	V
Maximum RMS Voltage	V _{RMS}	280	420	V
Maximum DC Blocking Voltage	V _{DC}	400	600	V
Maximum Average Forward Current <small>T_a = 55 °C</small>	I _{F(AV)}	1.5		A
Maximum Peak Forward Surge Current (50 Hz, Half-cycle , Sine wave, Single Shot)	I _{FSM}	30		A
Maximum Forward Voltage at I _F = 1.5 A	V _F	1.1		V
Maximum DC Reverse Current <small>T_a = 25 °C</small> at Rated DC Blocking Voltage <small>T_a = 100 °C</small>	I _R	10		μA
	I _{R(H)}	350		μA
Maximum Reverse Recovery Time (Note 1)	T _{rr}	0.4		μs
Junction Temperature Range	T _J	- 40 to + 150		°C
Storage Temperature Range	T _{STG}	- 40 to + 150		°C

Notes :

(1) Reverse Recovery Test Conditions : I_F = 10 mA, I_{RP} = 10 mA.

RATING AND CHARACTERISTIC CURVES (RU3M - RU3AM)

FIG.1 - REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

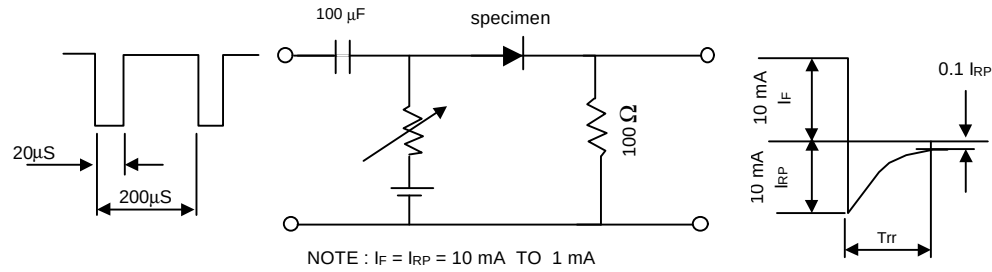


FIG.2 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

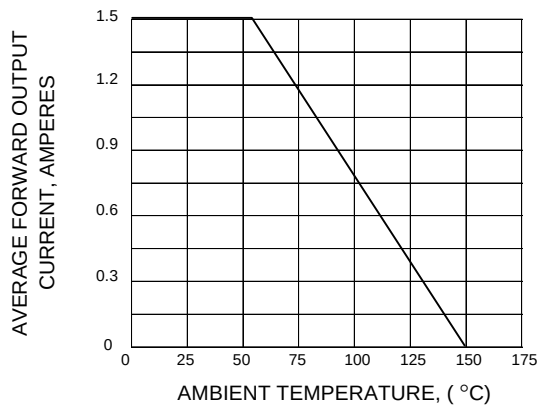


FIG.3 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

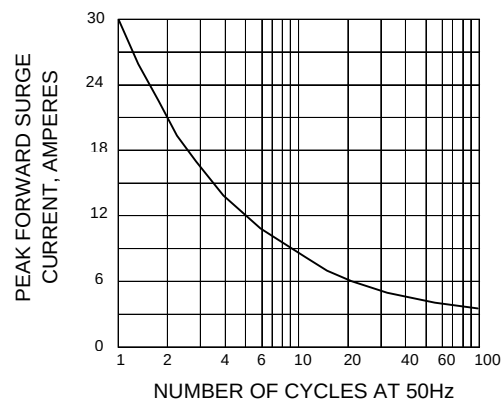


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

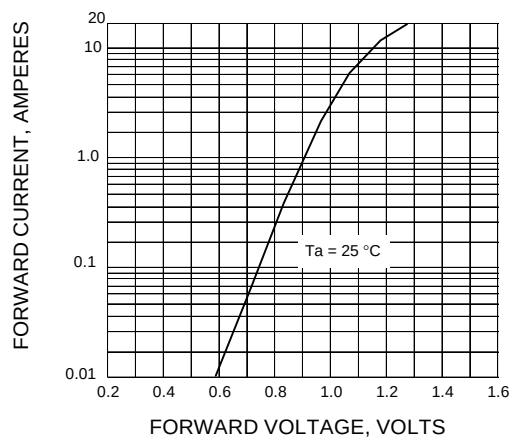


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

