

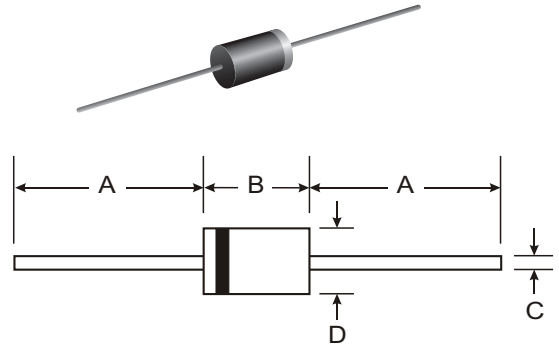
VOLTAGE RANGE: 400 - 1000V
CURRENT: 0.6A

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-41 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-41		
Dim	Min	Max
A	25.40	—
B	4.06	5.21
C	0.71	0.864
D	2.00	2.72
All Dimensions in mm		

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

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	RH1	RH1A	RH1B	RH1C	Unit
Maximum Peak Reverse Voltage	V _{RRM}	400	600	800	1000	V
Maximum Peak Reverse Surge Voltage	V _{RSM}	450	650	850	1050	V
Maximum Average Forward Current <small>, T_a = 50°C</small>	I _{F(AV)}	0.6				A
Maximum Peak Forward Surge Current (50 Hz, Half-cycle, Sine wave, Single Shot)	I _{FSM}	35				A
Maximum Forward Voltage at I _F = 0.6 A	V _F	1.3				V
Maximum Reverse Current at V _R = V _{RM} <small>T_a = 25 °C</small>	I _R	5.0				μA
Maximum Reverse Current at V _R = V _{RM} <small>T_a = 150 °C</small>	I _{R(H)}	70				μA
Maximum Reverse Recovery Time (Note 1)	T _{rr}	4.0				μs
Junction Temperature Range	T _J	- 40 to + 150				°C
Storage Temperature Range	T _{STG}	- 40 to + 150				°C

Note :

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

RATING AND CHARACTERISTIC CURVES (RH1 - RH1C)

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

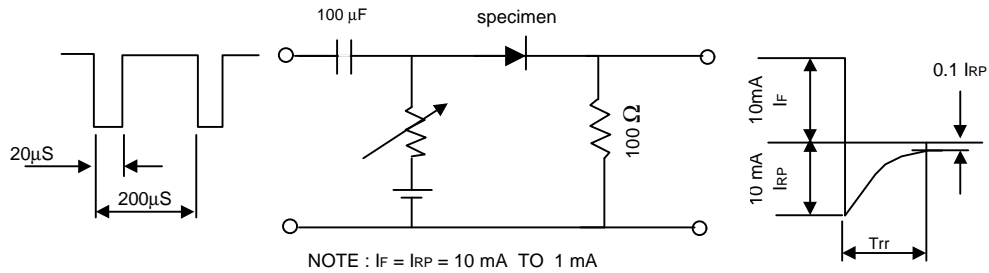


FIG.2 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

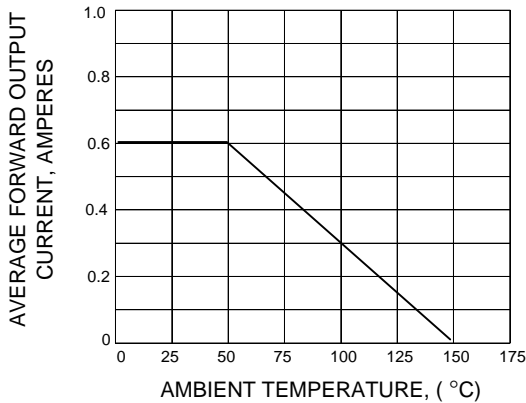


FIG.3 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

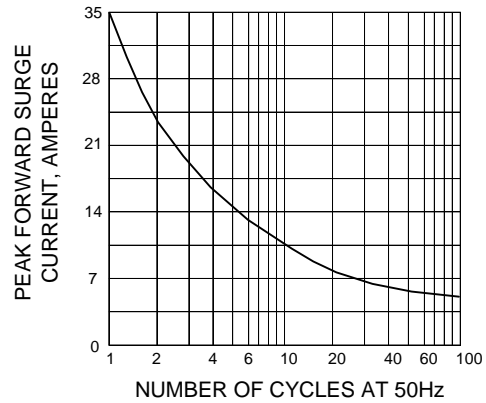


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

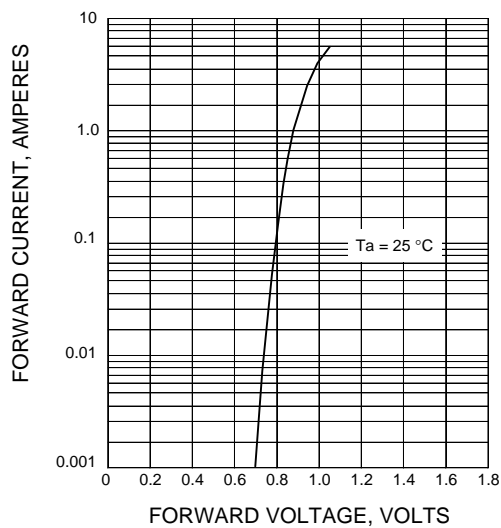


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

