

VOLTAGE RANGE: 100 - 600V

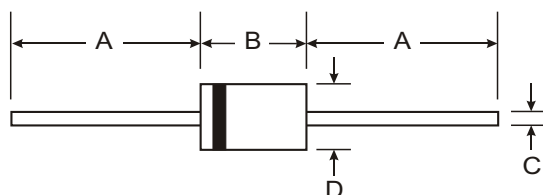
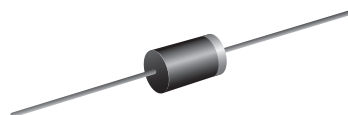
CURRENT: 0.5 A

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-41 Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.34 grams (approx.)
- Mounting Position: Any
- Marking: Type Number



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%.

RATING	SYMBOL	TVR2B	TVR2D	TVR2G	TVR2J	UNIT
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	100	200	400	600	V
Maximum Reverse Voltage (DC)	V _R	50	100	300	500	V
Maximum Average Forward Current	I _{F(AV)}	0.5				A
Maximum Peak One Cycle Surge Forward Current (Non-repetitive)	I _{FSM}	30 (50Hz)				A
Maximum Peak Forward Voltage at I _F = 1.0 A	V _F	1.4				V
Maximum Repetitive Reverse Current at V _{RRM}	I _{RRM}	10				μA
Maximum Reverse Recovery Time (Note 1)	T _{rr}	20				μs
Junction Temperature Range	T _J	- 40 to + 125				°C
Storage Temperature Range	T _{STG}	- 40 to + 125				°C

RATING AND CHARACTERISTIC CURVES (TVR2B-TVR2J)

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

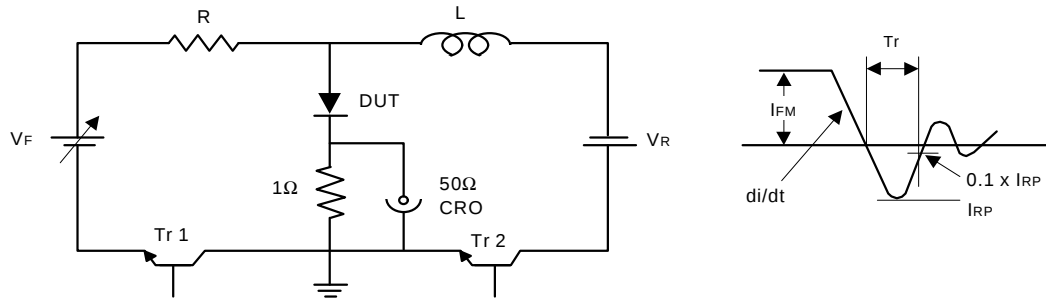


FIG.2 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

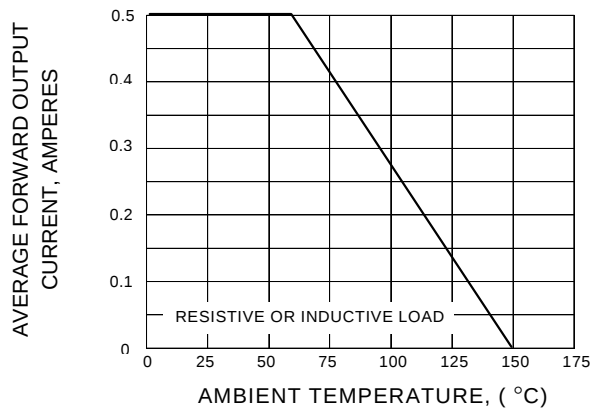


FIG.3 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

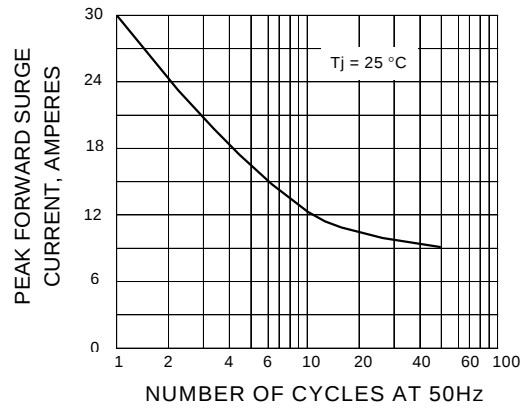


FIG.4 - TYPICAL FORWARD CHARACTERISTICS

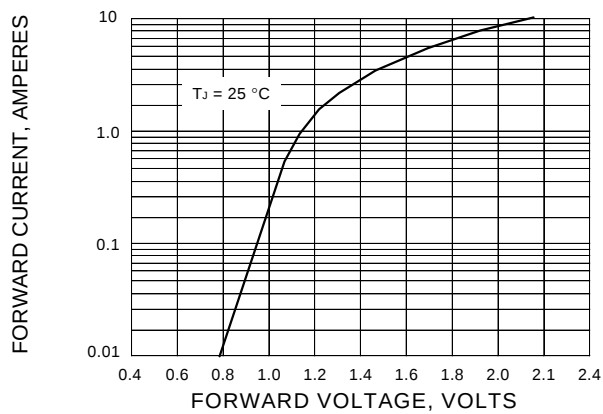


FIG.5 - TYPICAL REVERSE CHARACTERISTICS

