



TAYCHIPST FAST RECOVERY RECTIFIER

TVR5B THRU TVR5J

100V-600V 0.5A

FEATURES

- Low cost
- Diffused junction
- Low leakage
- Low forward voltage drop
- High current capability
- Easily cleaned with Freon, Alcohol, Isopropanol and similar solvents
- The plastic material carries U/L recognition 94V-0

Mechanical Data

Case: JEDEC R-1, molded plastic

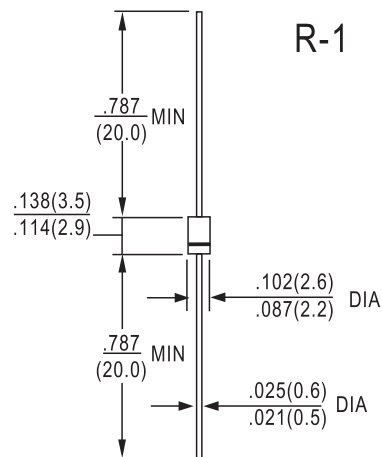
Terminals: Axial lead, solderable per

MIL-STD-202, Method 208

Polarity: Color band denotes cathode

Weight: 0.014 ounces, 0.39 grams

Mounting position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Maximum Ratings (Ta = 25°C)

Characteristics		Symbol	Rating	Unit
Repetitive peak reverse voltage	TVR5B	V _{RRM}	100	V
	TVR5G		400	
	TVR5J		600	
Average forward current		I _F (AV)	0.5	A
Peak one cycle surge forward current (non repetitive)		I _{FSM}	20	A
Junction temperature		T _j	-40 to 125	°C
Storage temperature range		T _{stg}	-40 to 125	°C

Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Peak forward voltage	V _{FM}	I _{FM} = 0.5 A	—	—	1.2	V
Repetitive peak reverse current	I _{RRM}	V _{RRM} = Rated	—	—	10	μA
Reverse recovery time	t _{rr} (1)	I _F = 20 mA, I _R = 1 mA	—	—	1.5	μs
	t _{rr} (2)	I _F = 100 mA, I _R = 100 mA	—	—	500	μs

RATINGS AND CHARACTERISTIC CURVES

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