



Micro Commercial Components



Micro Commercial Components
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TFR602G

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Low Forward Voltage Drop
- With TVS Characteristics
- Fast Switching Speed For High Efficiency
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Marking: TFR602G
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

| MCC Catalog Number | Maximum Reccurent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|--------------------|--|---------------------|-----------------------------|
| TFR602G | 120V | 84V | 120V |

Electrical Characteristics @ 25°C Unless Otherwise Specified

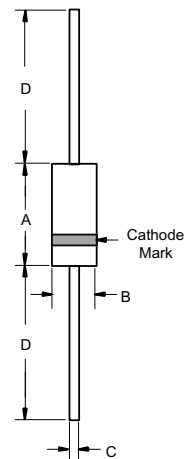
| | | | |
|---|-------------|-------|---|
| Average Forward Current | $I_{F(AV)}$ | 6 A | $T_A = 55^\circ\text{C}$ |
| Peak Forward Surge Current | I_{FSM} | 250A | 8.3ms, half sine |
| Maximum Instantaneous Forward Voltage | V_F | 0.95V | $I_{FM} = 6.0A^*$; $T_A = 25^\circ\text{C}$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I_R | 5uA | $T_A = 25^\circ\text{C}$ |
| Maximum Reverse Recovery Time TFR602G | T_{rr} | 300ns | $I_F=0.5A, I_R=1.0A,$ $I_{rr}=0.25A$ |
| Reverse Peak pulse Current | I_{ppm} | 5A | 10/1000us waveform |

*Pulse Test: Pulse Width 300µsec, Duty Cycle 1%

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

6 Amp Fast Recovery Rectifier 120 Volts

DO-201AD



| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|------|-------|------|------|
| | INCHES | | MM | | |
| | MIN | MAX | MIN | MAX | |
| A | .283 | .374 | 7.20 | 9.50 | |
| B | .189 | .208 | 4.80 | 5.30 | |
| C | .048 | .052 | 1.22 | 1.32 | |
| D | 1.000 | --- | 25.40 | --- | |



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Ordering Information :

| Device | Packing |
|----------------|-------------------------|
| Part Number-TP | Tape&Reel: 1.2Kpcs/Reel |

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