



ZIBO MICRO COMMERCIAL COMPONENTS CORP.



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MBRD10150CT

10 Amp Schottky Rectifier 150V

Features

- Halogen free available upon request by adding suffix "-HF"
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Pb-Free Package
- Extremely Fast Switching
- Extremely Low Forward Drop.
- Lead Free Finish/Rohs Compliant ("P"Suffix designates Compliant. See ordering information)

Maximum Ratings

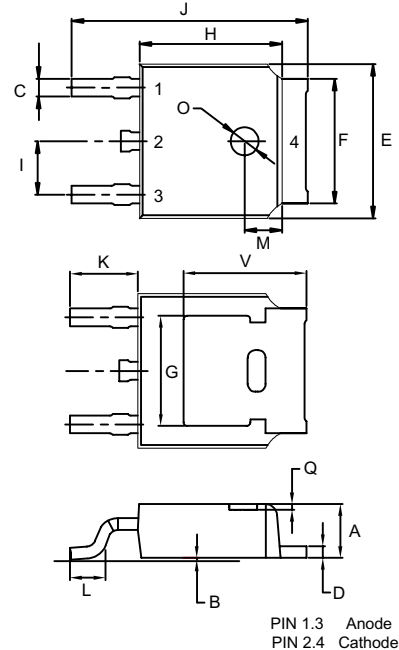
- Operating Temperature(T_J): -65°C to +150°C
- Storage Temperature(T_{STG}): -65°C to +150°C

| Part Number | Device Marking | Recurrent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|-------------|----------------|--------------------------------|---------------------|-----------------------------|
| MBRD10150CT | 10150 | 150 | 105 | 150 |

Electrical Characteristics @ 25°C Unless Otherwise Specified

| | | | |
|---------------------------------------|-------------------|--------|------------------------|
| Max average forward rectified current | I _(AV) | 10A | |
| Max surge current | I _{FSM} | 100A | 8.3ms, half sine |
| Peak forward voltage | V _{FM} | 0.94V | I _{FM} = 5.0A |
| Peak reverse current | I _{RM} | 0.1mA | T _J = 25°C |
| Thermal resistance | R _{thJC} | 20°C/W | |

(TO-252) DPAK



| DIM | INCHES | | MM | | NOTE |
|-----|--------|-------|------|-------|------|
| | MIN | MAX | MIN | MAX | |
| A | 0.087 | 0.094 | 2.20 | 2.40 | |
| B | 0.000 | 0.005 | 0.00 | 0.13 | |
| C | 0.026 | 0.034 | 0.66 | 0.86 | |
| D | 0.018 | 0.023 | 0.46 | 0.58 | |
| E | 0.256 | 0.264 | 6.50 | 6.70 | |
| F | 0.201 | 0.215 | 5.10 | 5.46 | |
| G | 0.190 | | 4.83 | | |
| H | 0.236 | 0.244 | 6.00 | 6.20 | |
| I | 0.086 | 0.094 | 2.18 | 2.39 | |
| J | 0.386 | 0.409 | 9.80 | 10.40 | |
| K | 0.114 | | 2.90 | | |
| L | 0.055 | 0.067 | 1.40 | 1.70 | |
| M | 0.063 | | 1.60 | | |
| O | 0.043 | 0.051 | 1.10 | 1.30 | |
| Q | 0.000 | 0.012 | 0.00 | 0.30 | |
| V | 0.211 | | 5.35 | | |



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Ordering Information :

| Device | Packing |
|----------------|-------------------------|
| Part Number-TP | Tape&Reel: 2.5Kpcs/Reel |

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

*****LIFE SUPPORT*****

ZBMCC's products are not authorized for use as critical components in life support devices or systems without the express written approval of ZiBo Micro Commercial Components Corp.

*****CUSTOMER AWARENESS*****

Counterfeiting of semiconductor parts is a growing problem in the industry. ZiBo Micro Commercial Components Corp. is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. ZBMCC strongly encourages customers to purchase ZBMCC parts either directly from ZBMCC or from Authorized ZBMCC Distributors who are listed by country on our web page cited below. Products customers buy either from ZBMCC directly or from Authorized ZBMCC Distributors are genuine parts, have full traceability, meet ZBMCC's quality standards for handling and storage. ZBMCC will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources. ZBMCC is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.