



BCR20PM-16L 20A TRIAC

Rev.A.1.1

DESCRIPTION:

The BCR20PM-16L triac is suitable for general purpose AC switching. It can be used as an ON/OFF function in applications such as heating regulation, induction motor starting circuits, for phase control operation in light dimmers, motor speed controllers. Compared to traditional triac, BCR20PM-16L provides a very high switching capability up to junction temperatures of 150°C. By using an external plastic package, BCR20PM-16L provides a Rated insulation voltage of 2000 VRMS, complying with UL standards (File ref: E252906). Package TO-220F is RoHS compliant.

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

| Parameter | Symbol | Value | Unit |
|-----------|--------|-------|------|
| | | | |



Average gate power dissipation (T_j)

MARKING

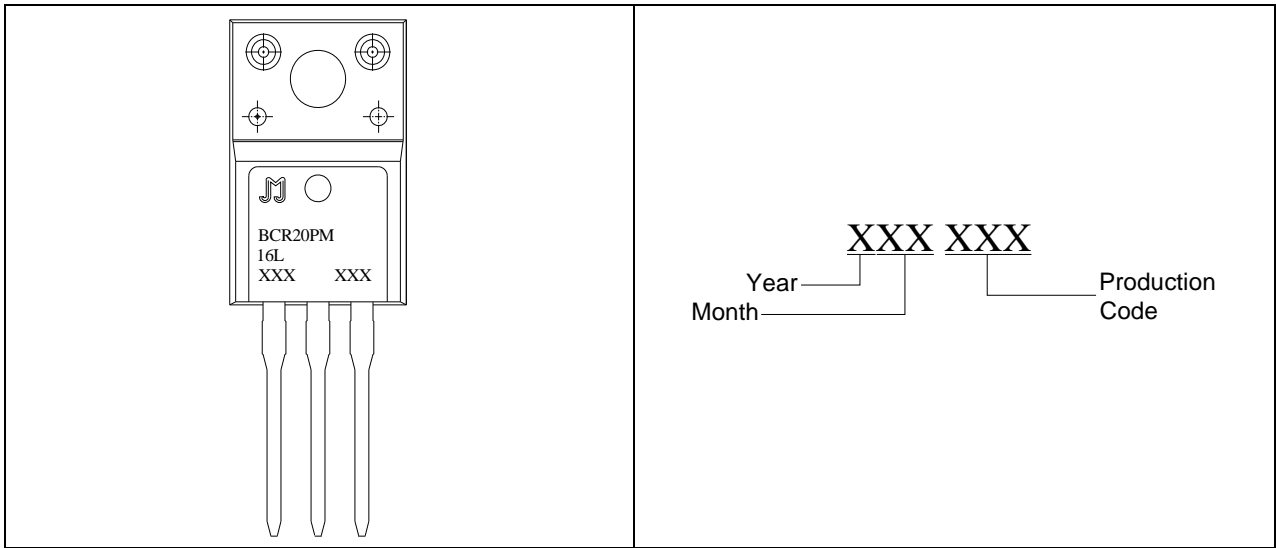


FIG.1: Maximum power dissipation versus RMS on-state current



FIG.2: RMS on-state current versus case temperature



FIG.5: Non-repetitive surge p F -1 Â

ORDERING INFORMATION

| Order code | Voltage V_{DRM}/V_{RRM} (V) | IGT(mA) | Package | Base qty. (pcs) | Delivery mode |
|------------|----------------------------------|---------|--------------|--------------------|------------------|
| | | - - | | | |
| BCR20M-16L | 800 | 35 | TO-220F(Ins) | 50 | Tube |

Document Revision History

| Date | Revision | Changes |
|--------------|----------|--------------------------------|
| Apr.11, 2023 | A.1.0 | Last updated |
| Oct.10, 2025 | A.1.1 | Revise PACKAGE MECHANICAL DATA |

