**TECHNICAL SPECIFICATIONS OF SINGLE-PHASE SILICON BRIDGE RECTIFIER**

**VOLTAGE RANGE - 50 to 1000 Volts**

**CURRENT - 15 Amperes**

### FEATURES
- Plastic case with heatsink for Maximum Heat Dissipation
- Diffused Junction
- High current capability
- Surge overload ratings - 300 Amperes
- Low forward voltage drop
- High Reliability
- Designed for saving mounting space

### MECHANICAL DATA
- Case: Molded plastic with heatsink
- Epoxy: UL 94V-0 rate flame retardant
- Lead: MIL-STD-202E, Method 208 guaranteed
- Polarity: As marked
- Mounting position: Any
- Weight: 30 grams

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

For capacitive load, derate current by 20%.

<table>
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<th>SYMBOL</th>
<th>BR1505L</th>
<th>BR151L</th>
<th>BR152L</th>
<th>BR154L</th>
<th>BR156L</th>
<th>BR158L</th>
<th>BR1510L</th>
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**NOTES:**
1. Measured at 1 MHz and applied reverse voltage of 4.0 volts
2. Thermal Resistance from Junction to Case per leg.
RATING AND CHARACTERISTIC CURVES (BR1505L THRU BR1510L)

FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

DC COMPONENTS CO., LTD.