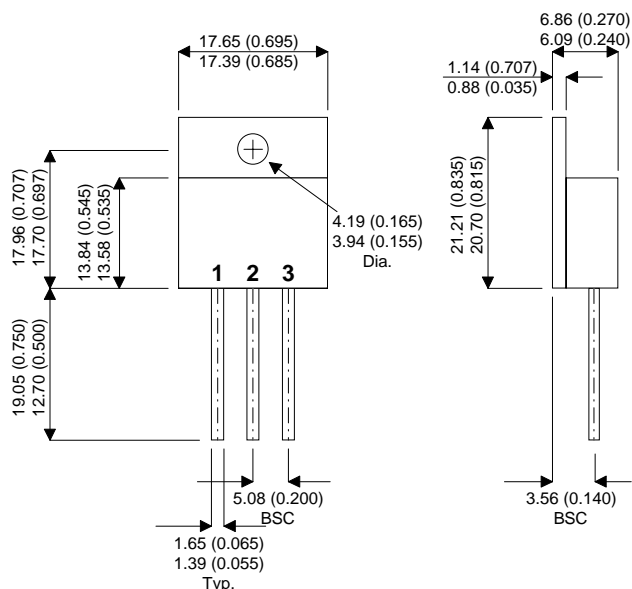


MECHANICAL DATA

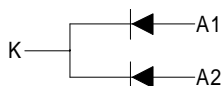
Dimensions in mm



**DUAL SCHOTTKY
BARRIER RECTIFIER
IN A TO-258
HERMETICALLY
SEALED PACKAGE
FOR HI-REL APPLICATIONS**

TO-258 METAL PACKAGE

Pin 1 – Anode 1 Pin 2 – Cathode Pin 3 – Anode 2



| ABSOLUTE MAXIMUM RATINGS ($T_{case} = 25^{\circ}C$ unless otherwise stated) | | SB60-60 | SB60-100 |
|---|--|---------------|----------|
| V_{RRM} | Peak Repetitive Reverse Voltage | 60V | 100V |
| V_{RSM} | Crest Working Reverse Voltage | 60V | 100V |
| I_O | Output Current | 60A | |
| I_{FSM} | Non Repetitive Peak Forward Current | 200A | |
| T_{STG} | Storage Temperature Range | -55 to +150°C | |
| T_J | Maximum Operating Junction Temperature | 150°C | |

ELECTRICAL CHARACTERISTICS (Per Diode)

| Parameter | Test Conditions | Min. | Typ. | Max. | Unit |
|----------------------------|--------------------------------------|------|------|------|------|
| V_F Forward Voltage | $I_F = 60A$ $T_J = 25^{\circ}C$ | | 0.9 | 1.2 | V |
| | $I_F = 60A$ $T_J = 125^{\circ}C$ | | 0.7 | 1.0 | |
| I_R Reverse Current | $V_R = V_{RRM}$ $T_J = 25^{\circ}C$ | | | 1.5 | mA |
| | $V_R = V_{RRM}$ $T_J = 125^{\circ}C$ | | | 20 | |
| C_d Junction Capacitance | $V_R = 5V$ $f = 1MHz$ | | 1400 | | pF |