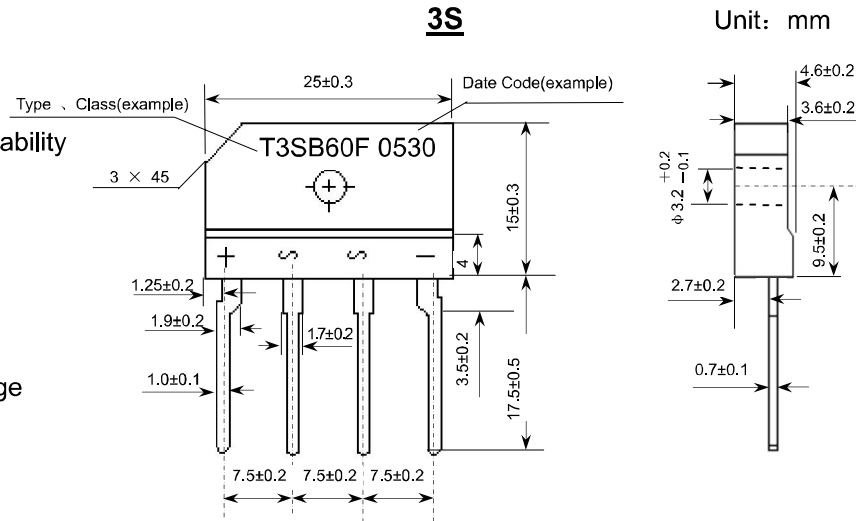


- $I_o$  4.0A
- $V_{RRM}$  200V~800V

- Glass passivated chip
- High surge forward current capability
- HF product

### ■ Applications

- General purpose 1 phase Bridge rectifier applications



### ■ Limiting Values (Absolute Maximum Rating)

| Item                                 | Symbol    | Unit             | Conditions                                              | T3SB       |      |      |      |
|--------------------------------------|-----------|------------------|---------------------------------------------------------|------------|------|------|------|
|                                      |           |                  |                                                         | 20 F       | 40 F | 60 F | 80 F |
| Storage Temperature                  | $T_{stg}$ | °C               |                                                         | -40 ~ +150 |      |      |      |
| Junction Temperature                 | $T_j$     | °C               |                                                         | +150       |      |      |      |
| Repetitive Peak Reverse Voltage      | $V_{RRM}$ | V                |                                                         | 200        | 400  | 600  | 800  |
| Average Rectified Output Current     | $I_o$     | A                | 50Hz sine wave, R-load                                  | 4.0        |      |      |      |
|                                      |           |                  |                                                         | 2.3        |      |      |      |
| Surge(Non-repetitive)Forward Current | $I_{FSM}$ | A                | 50Hz sine wave, 1 cycle, $T_a=25^{\circ}C$              | 120        |      |      |      |
| Current Squared Time                 | $I^2t$    | A <sup>2</sup> s | 1ms ≤ t < 8.3ms $T_j=25^{\circ}C$ , Rating of per diode | 60         |      |      |      |
| Dielectric Strength                  | Vdis      | kV               | Terminals to case, AC 1 minute                          | 2          |      |      |      |
| Mounting Torque                      | TOR       | kg · cm          | Recommend torque: 5kg · cm                              | 8          |      |      |      |

### ■ Electrical Characteristics ( $T_a=25^{\circ}C$ Unless otherwise specified)

| Item                 | Symbol           | Unit | Test Condition                                             | Max  |
|----------------------|------------------|------|------------------------------------------------------------|------|
| Peak Forward Voltage | $V_{FM}$         | V    | $I_{FM}=2.0A$ , Pulse measurement, Rating of per diode     | 1.05 |
| Peak Reverse Current | $I_{RRM}$        | μ A  | $V_{RM}=V_{RRM}$ , Pulse measurement, Rating of per diode, | 10   |
| Thermal Resistance   | $R_{\theta J-A}$ | °C/W | Between junction and ambient, Without heatsink             | 30   |
|                      | $R_{\theta J-L}$ |      | Between junction and lead, Without heatsink                | 6    |
|                      | $R_{\theta J-C}$ |      | Between junction and case, With heatsink                   | 5.5  |

■ Characteristics(Typical)

