TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

U3FWK42

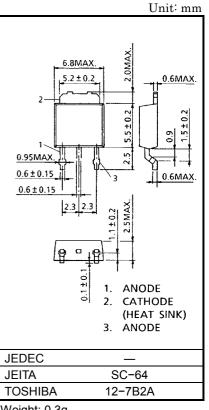
HIGH SPEED RECTIFIER APPLICATIONS

Peak Forward Voltage $: V_{FM} = 0.40 \text{ V (Max)}$

Repetitive Peak Reverse Voltage $: V_{RRM} = 30 \text{ V}$ Average Forward Current : IF(AV) = 3 A

MAXIMUM RATINGS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT | |
|---|---------------------|-----------|------|--|
| Repetitive Peak Reverse Voltage | V_{RRM} | 30 | V | |
| Average Forward Current | I _{F (AV)} | 3 | Α | |
| Peak One Cycle Surge Forward Current (Non-Repetitive) | I _{FSM} | 75 (50Hz) | Α | |
| Junction Temparature | Tj | -40~125 | °C | |
| Storage Temparature Range | T _{stg} | -40~125 | °C | |



Weight: 0.3g

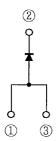
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

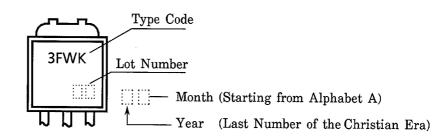
| CHARACTERISTIC | SYMBOL | TEST CONDITION | TYP. | MAX | UNIT |
|---------------------------------------|-----------------------|----------------------------------|------|------|------|
| Peak Forward Voltage | V_{FM} | I _{FM} = 3.0 A | _ | 0.40 | V |
| Repetitive Peak Reverse Current | I _{RRM} | V _{RRM} = 30 V | _ | 0.5 | mA |
| Junction Capacitance | Cj | V _R = 10 V, f = 1 MHz | 200 | _ | pF |
| Thermal Resistance (Junction to Case) | R _{th (j-c)} | DC Total | _ | 6.0 | °C/W |

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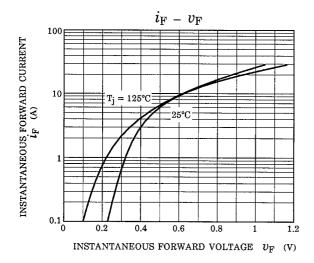
POLARITY

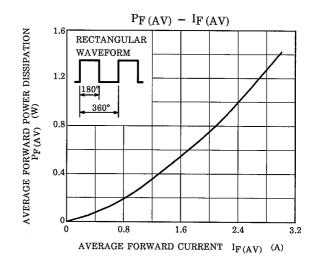
MARKING

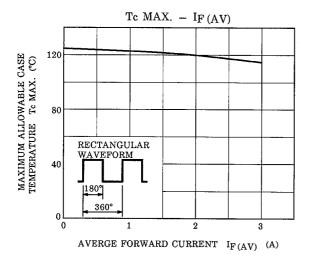


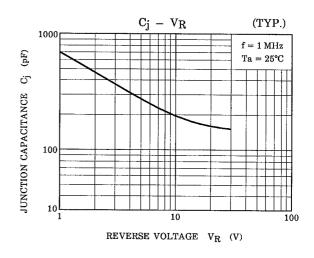


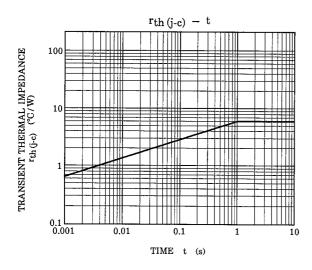
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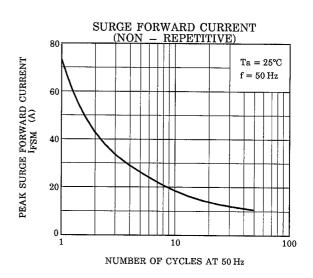






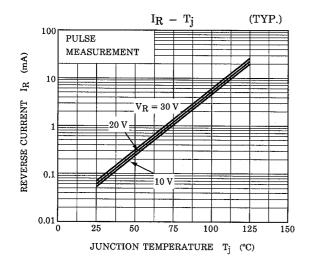


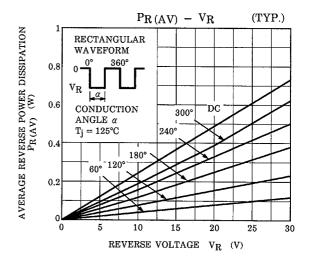




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