TOSHIBA RECTIFIER SILICON DIFFUSED TYPE

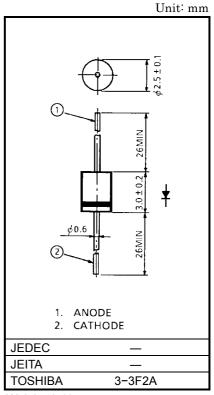
1GU42

HIGH SPEED RECTIFIER APPLICATIONS (FAST RECOVERY)

• Plastic Mold Type.

MAXIMUM RATINGS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT | |
|--|---------------------|------------------------|------|--|
| Repetitive Peak Reverse Voltage | V_{RRM} | 400 | V | |
| Average Forward Current | I _{F (AV)} | 1.0 | Α | |
| Peak One Cycle Surge Forward Current (Non-Repetitive) | I _{FSM} | 15 (50H _Z) | Α | |
| | | 17 (60H _Z) | | |
| Junction Temperature Range | Tj | -40~150 | °C | |
| Storage Temperature Range | T _{stg} | -40~150 | °C | |

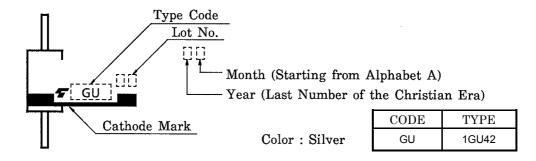


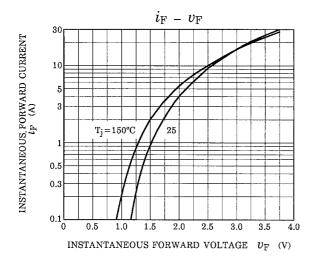
Weight: 0.18g

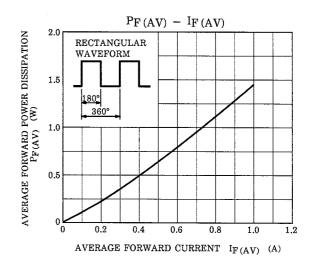
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

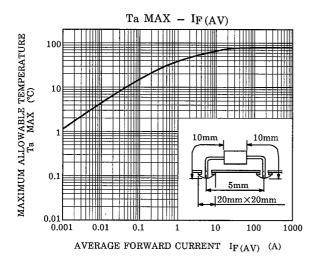
| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN | TYP. | MAX | UNIT |
|---------------------------------|------------------|---|-----|------|-----|------|
| Peak Forward Voltage | V_{FM} | I _{FM} = 1.0A | _ | _ | 1.5 | V |
| Repetitive Peak Reverse Current | I _{RRM} | V _{RRM} = 400V | _ | _ | 50 | μΑ |
| Reverse Recovery Time | t _{rr} | $I_F = 1.0A$, di / dt = -30A / μ s | _ | _ | 100 | ns |
| Forward Recovery Time | t _{fr} | I _F = 1.0A | _ | _ | 250 | ns |

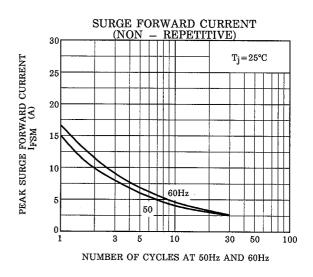
MARKING

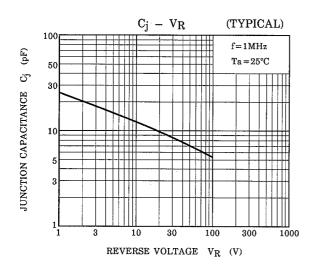




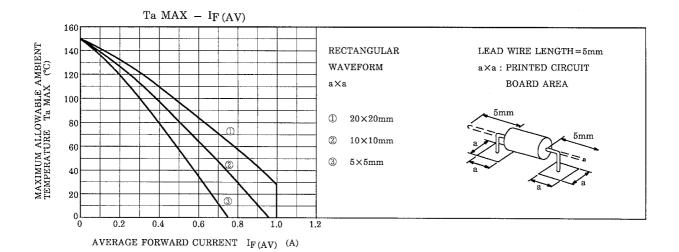


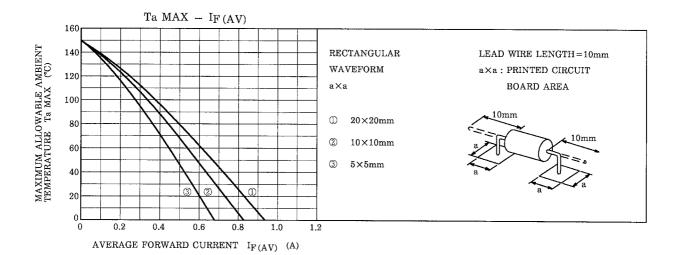






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