

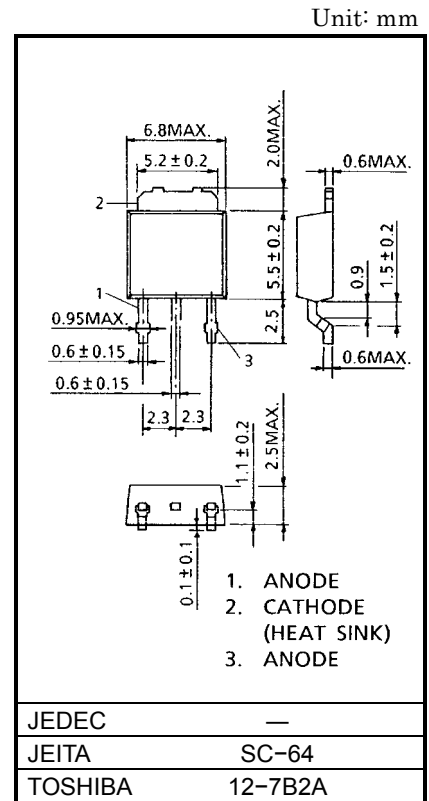
U5FWK2C42

SWITCHING MODE POWER SUPPLY APPLICATION

- Peak Forward Voltage : $V_{FM} = 0.40 \text{ V (Max)}$
- Repetitive Peak Reverse Voltage : $V_{RRM} = 30 \text{ V}$
- Average Output Rectified Current : $I_O = 5 \text{ A}$

MAXIMUM RATINGS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|-------------------------------------------------------|-----------|-----------|------|
| Repetitive Peak Reverse Voltage | V_{RRM} | 30 | V |
| Average Forward Current | I_O | 5.0 | A |
| Peak One Cycle Surge Forward Current (Non-Repetitive) | I_{FSM} | 50 (50Hz) | A |
| Junction Temperature | T_j | -40~125 | °C |
| Storage Temperature Range | T_{stg} | -40~125 | °C |



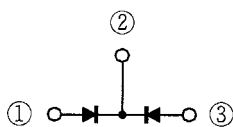
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Weight: 0.3g

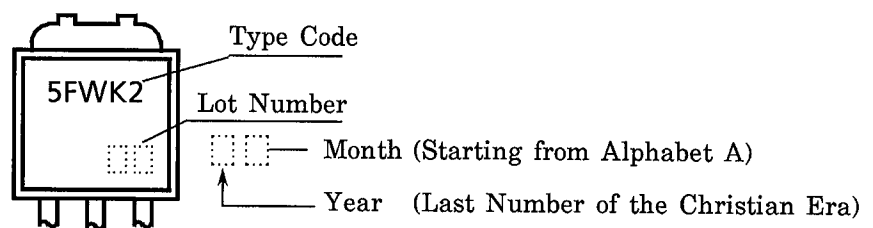
| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN | TYP. | MAX | UNIT |
|----------------------------------------|---------------|-------------------------------------------|-----|------|------|--------|
| Peak Forward Voltage (Note) | V_{FM} | $I_{FM} = 2.5 \text{ A}$ | — | — | 0.40 | V |
| Repetitive Peak Reverse Current (Note) | I_{RRM} | $V_{RRM} = 30 \text{ V}$ | — | — | 0.3 | mA |
| Junction Capacitance (Note) | C_j | $V_R = 10 \text{ V}, f = 1.0 \text{ MHz}$ | — | 145 | — | pF |
| Thermal Resistance | $R_{th(j-c)}$ | DC Total | — | — | 3.5 | °C / W |

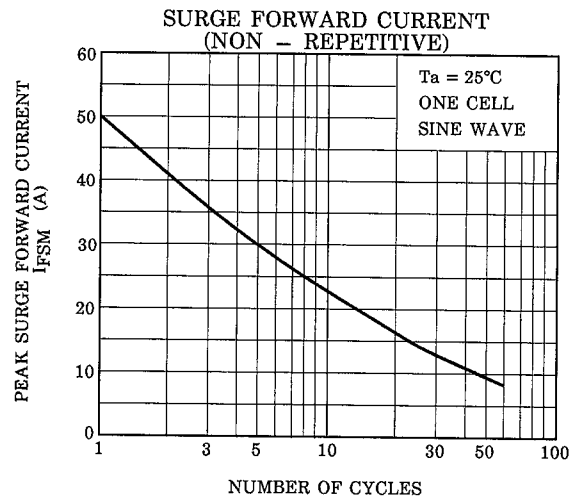
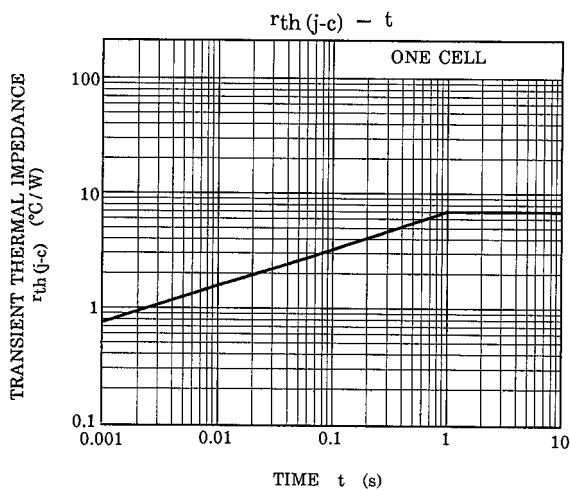
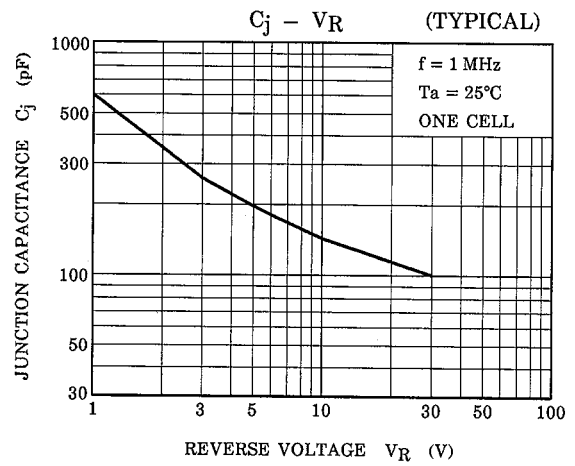
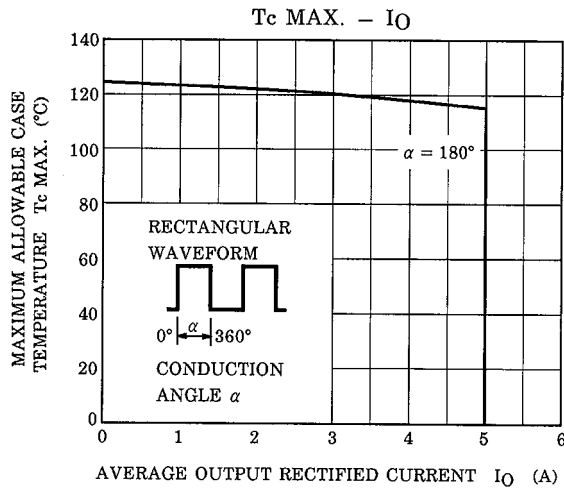
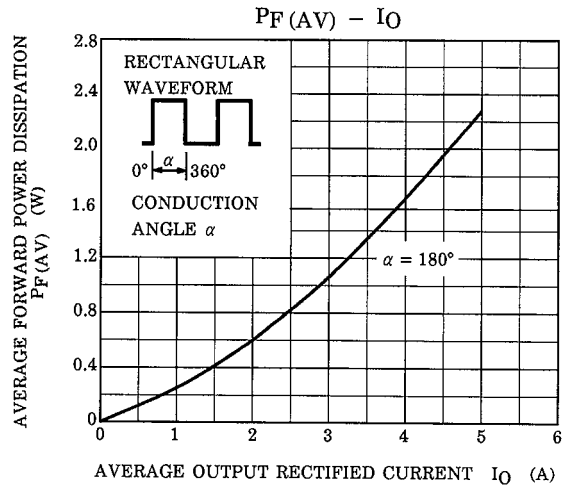
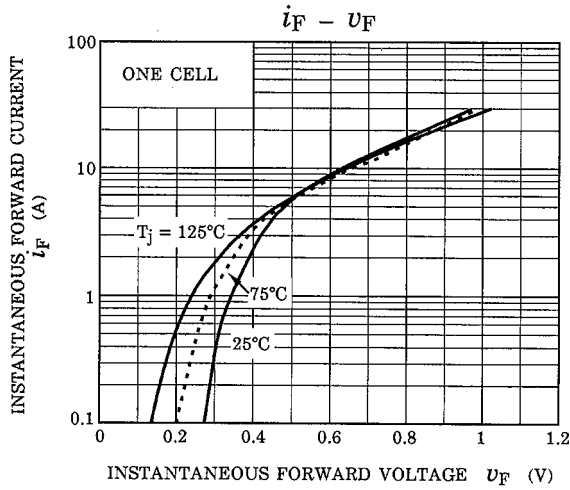
Note: A Value of one cell

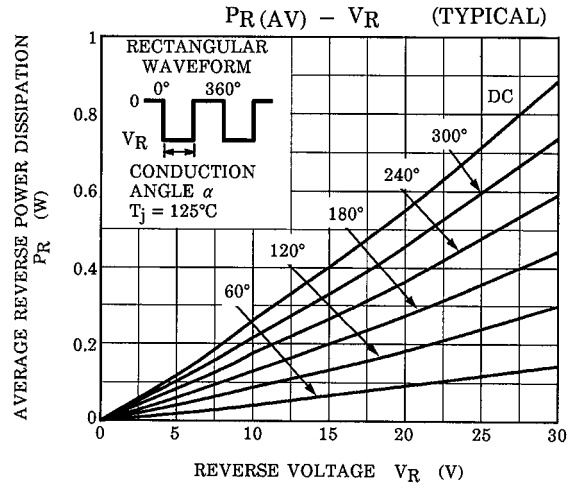
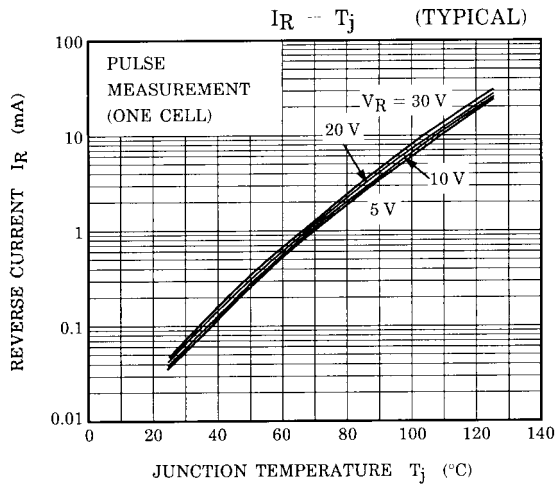
POLARITY



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