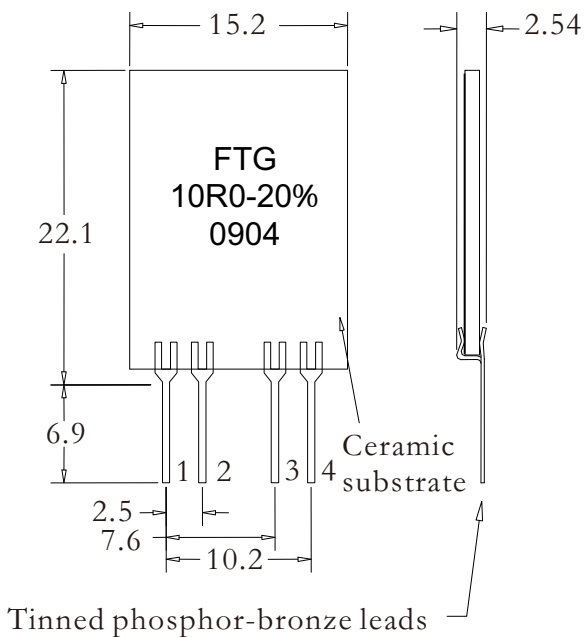


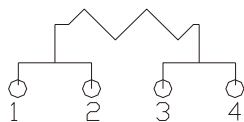
● Features

- I Construction: Thick film printed on a 96% alumina ceramic substrate
- II Resistance: 10, 14, 20, or 30 ohms
- III Resistance Tolerance: $\pm 10\%$
- IV Steady State Temperature Rise: $40^{\circ}\text{C}/\text{W}$
- V Continuous Power Rating: $2\text{ W @ }70^{\circ}\text{C}$

● Dimensions

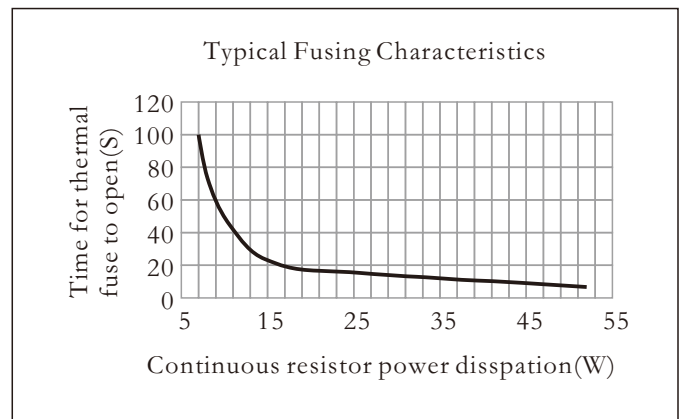


Schematic



● Thermal Fuse Characteristics

(For parts with a thermal fuse):
Fusing Temperature is $240 \pm 5^{\circ}\text{C}$



Test Conditions : Steady state power applied to resistor to cause the thermal fuse to open. Amb.Temp.is 25°C

● Ordering Information

Example:

Series Name	Power Rating	Resistance	Resistance Tolerance
FTG (1)	2W (2)	10R (3)	M (4)

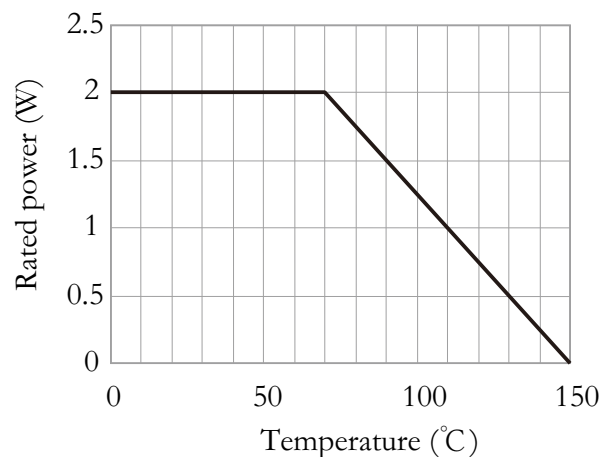
(1)Series Name: FTG

(2)Power Rating: 2W

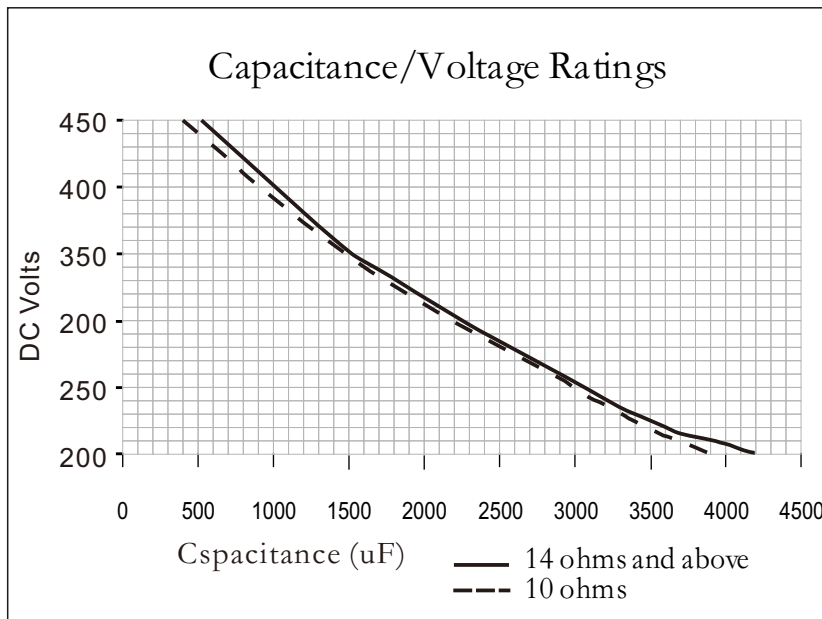
(3)Resistance:10R00=10Ω, 1K00=1KΩ, 1M00=1MΩ

(4)Resistance Tolerance: M=20%

● Derating Curve



Surge Characteristics



Test Conditions:
Resistor subjected to 10 capacitor charge cycles (charging thru the resistor), followed by capacitor discharged separately, 10 seconds between each cycle

Electrical Characteristics

Parameter	Characteristic
Resistance	10, 14, 20, or 30 ohms ^①
Tolerance	± 20%
Temperature Coefficient of Resistance	± 500PPM/°C
Max. Continuous Operating Voltage ^②	750VAC
Maximum Continuous Operating Temperature	+150°C
Insulation Resistance	>1000 MΩ
Zero Power Temperature	+150°C

- ①. Other Values Available from 10 ohms to 1 MΩ.
Consult factory for your needs
②. Not to exceed rated power

Environmental Performance

Test	Test Method	Typical Performance
Thermal Shock	MIL-STD-202 Method 107G Cond. B, -55°C to +150°C, 100 cycles	± 2.0%R + 1.0mΩ
Short Time Overload	6 watts, 5 seconds, 40°C	± 1.0%R + 1.0mΩ
High Temp Exposure	100 hours +150°C	± 1.0%R + 1.0mΩ
Moisture Resistance	MIL-STD-202 Method 106	± 1.0%R + 1.0mΩ
Res. to Solder Heat	MIL-STD-202 Method 210, 260°C, 10 seconds	± 1.0%R + 1.0mΩ