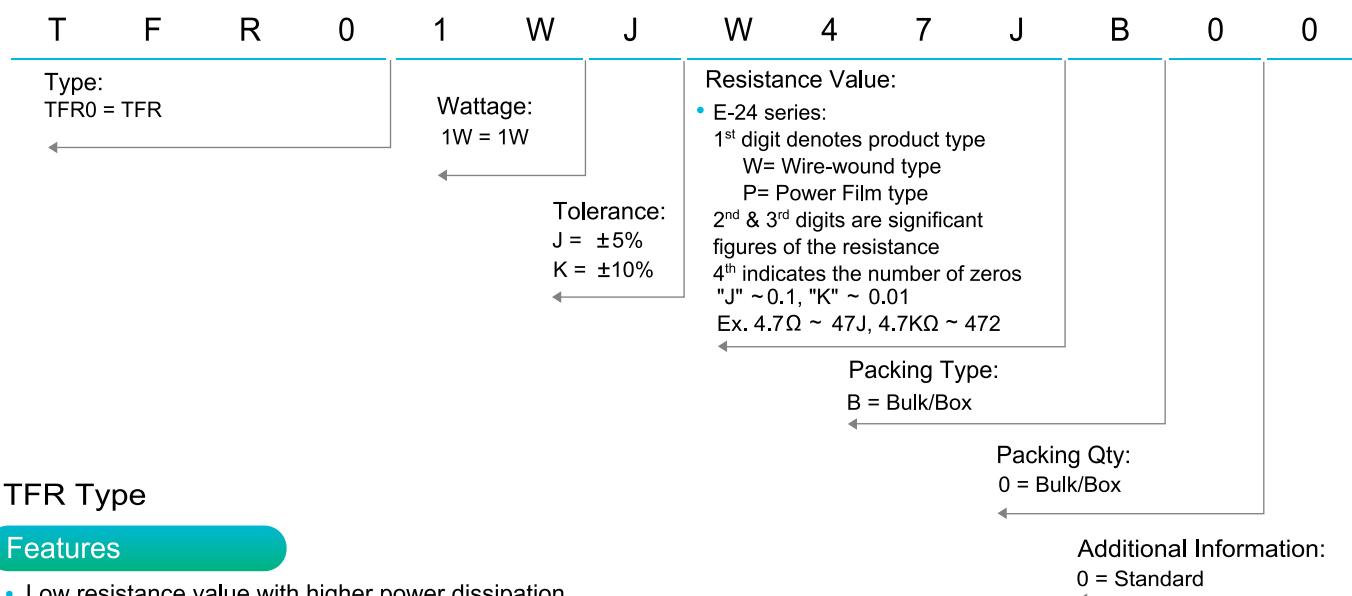


# Thermal Fusing Wire-Wound Fixed Resistors

## Performance Specification

Temperature Coefficient	±400PPM/°C Max.
Short Time Overload	±(2.0% + 0.05Ω)Max, with no evidence of mechanical damage.
Dielectric Withstanding Voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown.
Insulation Resistance	20MΩ Max. with no evidence of mechanical damage.
Terminal Strength	No evidence of mechanical damage.
Humidity (Steady State)	±(3.0% + 0.05Ω)Max, with no evidence of mechanical damage.
Load Life in Humidity	±(5.0% + 0.05Ω)Max, with no evidence of mechanical damage.
Load Life	±(5.0% + 0.05Ω)Max, with no evidence of mechanical damage.

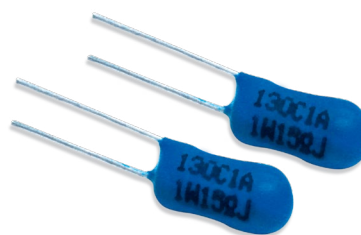
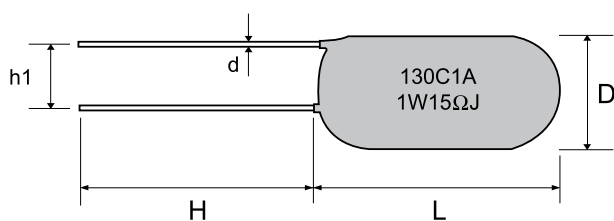
## Ordering Procedure: Ex.: TFR 1W, +/-5% 4.7Ω B/B



## TFR Type

### Features

- Low resistance value with higher power dissipation
- Wire-wound resistor with thermal fuse protection
- Used in Electronic ballast, other Lighting applications



Type	Power Rating at 70°C	D	L	H (Min)	h1 (Min)	d±0.02	Current Rating	Resistance Range	T <sub>F</sub> (°C)	T <sub>H</sub> /T <sub>C</sub> (°C)	T <sub>M</sub> (°C)	I <sub>r</sub> (A)	U <sub>r</sub> (V)
TFR	1W	5.5±0.5	14±1	12	3.5	0.53	2A	2.2 - 4.7 Ω	130	102	180	2	250
TFR	1W	5.5 <sup>+1</sup> <sub>-0.5</sub>	11(Max.)	12	3.5	0.53	1A	2.2 - 4.7 Ω	130	102	180	1	250

- Note: 1.) T<sub>H</sub>/T<sub>C</sub> (°C) = Holding Temperature  
 2.) T<sub>M</sub> (°C) = Max Temperature Limit  
 3.) T<sub>F</sub> (°C) = Rate Functioning Temperature  
 4.) I<sub>r</sub> (A) = Rate Current  
 5.) U<sub>r</sub> (V) = Rate Voltage