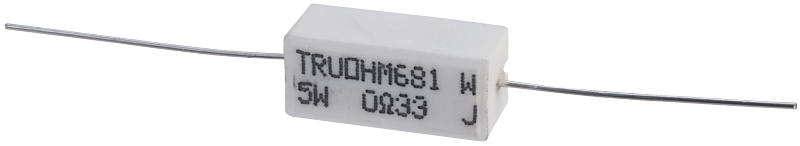
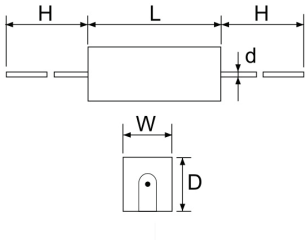
5W Axial Ceramic Resistors

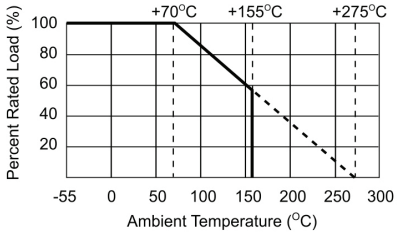


Features:

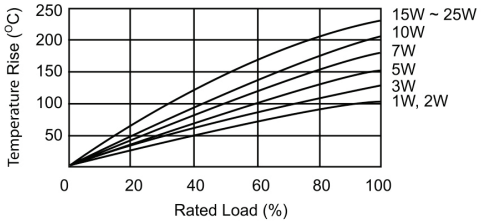
- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small study and mechanically safe
- Non-inductive types available for all Cermet Resistors
- Too low or too high ohmic values on Wire-wound & Power Film types can be supplied on a case to case basis



Derating Curve



Heat Rise Chart



Part No.	Power rating at 70°C	Dimensions (mm)					Resistance Range	
		W ± 1	D ± 1	L ± 1	d ± 0.05	H ± 5	Wire-wound	Power Film
SQP-5W-J-XXX	5W	10	9	22	0.75	35	0.1Ω to 47Ω	48Ω to 100KΩ
Notes: Max Working Voltage: 500V Max Overload Voltage: 1000V								

Performance Specifications:

Temperature Coefficient:	<20Ω: ±400PPM/°C; ≥20Ω: ±350PPM/°C	
Short Time Overload:	±(5.0% + 0.05Ω) Max, with no evidence of mechanical damage	
Dieiectric Withstanding Voltage:	No evidence of flashover, mechanical damage, arcing or insulation breakdown	
Terminal Strength:	No evidence of mechanical damage	
Resistance to Soldering Heat:	±(1.0% + 0.05Ω) Max, with no evidence of mechanical damage	
Solderability:	Min. 95% coverage	
Temperature Cycling:	±(2.0% + 0.05Ω) Max, with no evidence of mechanical damage	
Humidity (Steady State):	±(5.0% + 0.05Ω) Max, with no evidence of mechanical damage	
Load Life in Humidity:	Wire-wound	±(5.0% + 0.05Ω) Max
	Power Film	≥100KΩ: ±(5.0% + 0.05Ω) Max
		≥100KΩ: ±(10.0% + 0.05Ω) Max
Load Life:	Wire-wound	±(5.0% + 0.05Ω) Max
	Power Film	≥100KΩ: ±(5.0% + 0.05Ω) Max
		≥100KΩ: ±(10.0% + 0.05Ω) Max