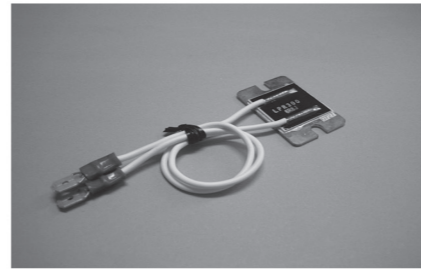


Chassis Mounting Non-inductive High Power Resistors

Features and Applications

These are compact, low profile, 1200W high power resistors. An air-cooled heat sink or water-cooling is necessary. The rated power is 1200W. Units have M4 screw mounts, wire leads and very low series inductance. Resistors are also vibration-proof and exhibit perfect heat dissipation. Applications include: Sunbber resistors for power supplies, gate resistors, pulse generators, high frequency amplifiers, dumping resistors of theater audio equipment of dividing network of loud speaker systems, etc.



GENERAL SPECIFICATIONS

Model	1) Power Rating[W]	Resistance Range[Ω]	2) TCR	3) Tolerance[%]
TPL1200	1200W	1 Ω to 51K Ω Single	±100ppm/°C	J (±5)

1) Conditions: AT Flange temperature -55 to +25 °C, per resistor unit

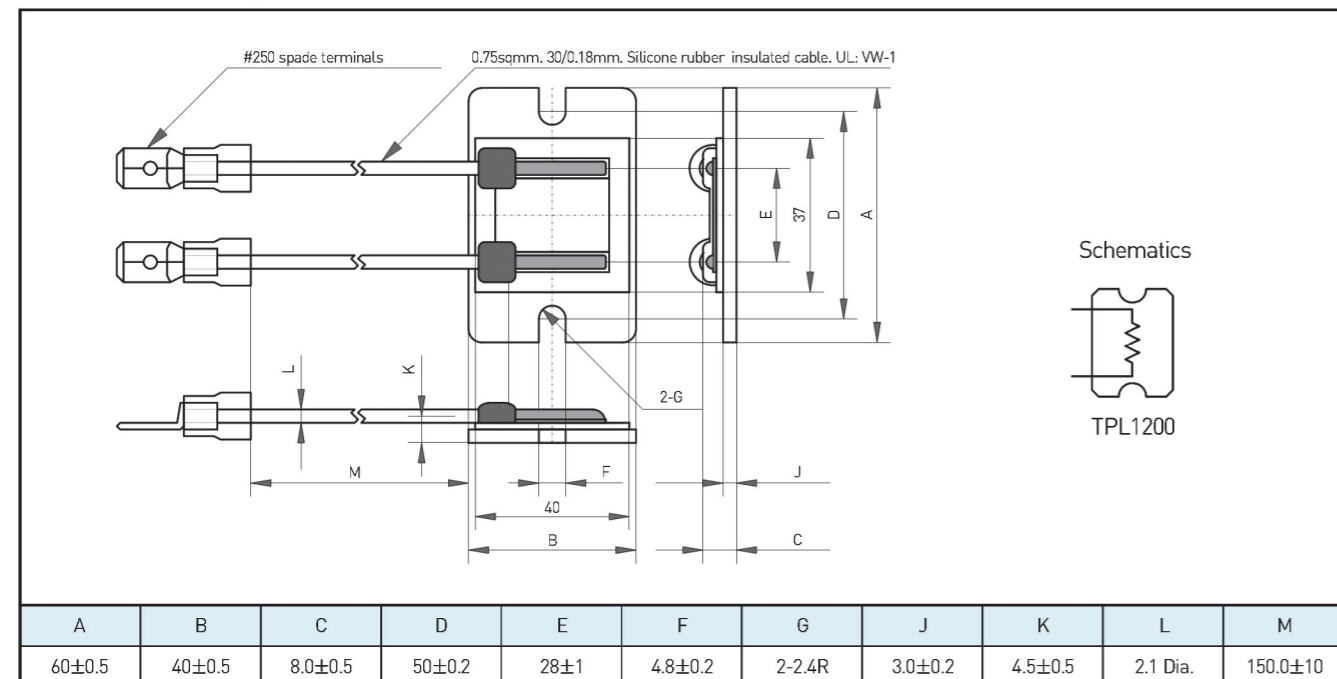
2) For -55 °C to +155 °C

3) F (±1%) is available optionally

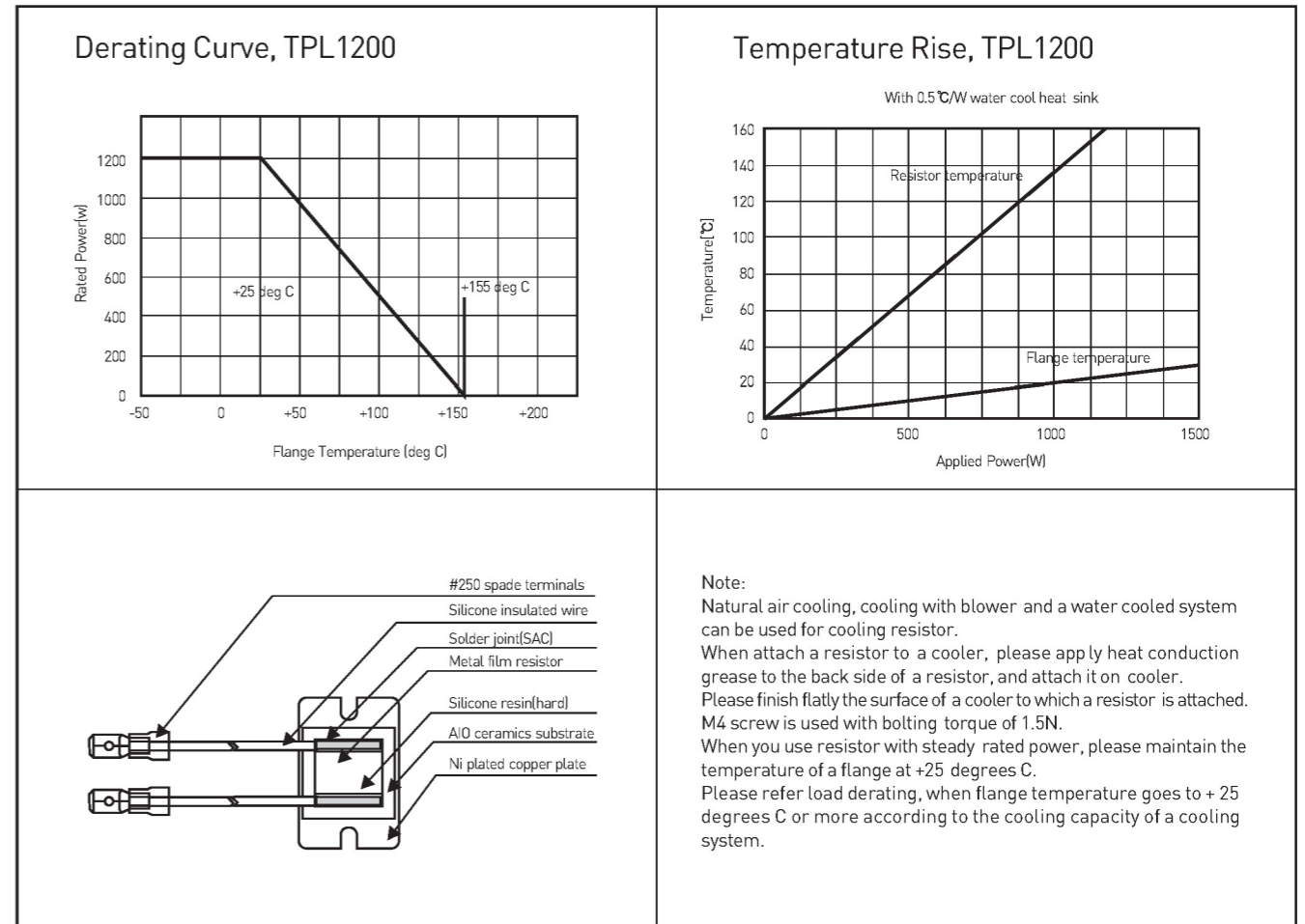
CHARACTERISTICS

Operation Temp. Range	-55 °C ~ +155 °C	
Insulation Resistance	Over 1000M Ω	Between terminals and flange.
Dielectric Withstanding Voltage	2000V AC	60seconds. Between terminals and flange
Max. Applied Voltage	$E = \sqrt{P \cdot R}$	
Short Time Overload	Same as rated power	
Thermal Shock	±(1.0%+0.05 Ω)	-55 °C, 30min., +155 °C, 30min., 20cycles.
Humidity	±(1.0%+0.05 Ω)	40 °C, 90 to 95%RH, DC 0.1W, 1000hours.
Vibration	±(0.25%+0.05 Ω)	IEC60068-2-6 and specification in sin-wave sweep wave form, 10Hz-55Hz, 10cycles, amplitude 0.75mm, 45min. direction x-y-z.
Load Life	±(1.0%+0.05 Ω)	25 °C, 90min on, 30min off, 1000hours.

DIMENSIONS [mm]



DERATING CURVE AND TEMPERATURE RISE CURVE



ORDERING PROCEDURE EXAMPLE

Ordering Example	Model	TCR	Resistance	Tolerance[%]	Note
TPL1200A20ohmJ	TPL1200	A(100ppm/°C)	20 Ω	J (±5)	
TPL1200A100ohmJ	TPL1200	A(100ppm/°C)	100 Ω	J (±5)	
TPL1200A50ohmJ	TPL1200	A(100ppm/°C)	50 Ω	J (±5)	
TPL1200A51KohmJ	TPL1200	A(100ppm/°C)	51K Ω	J (±5)	