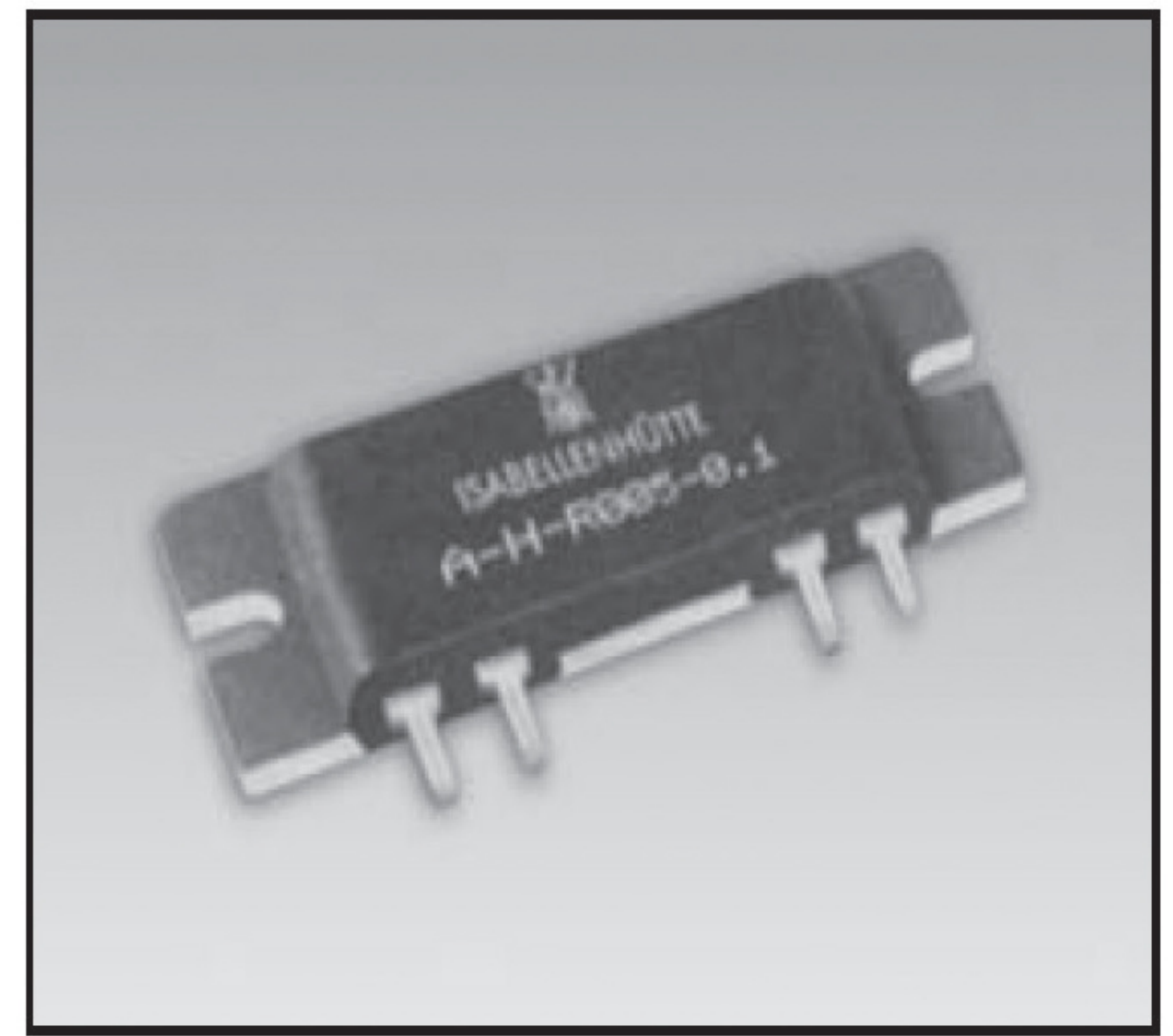


Four Terminal Precision Resistors

A-H resistors are constructed with four terminal, isolated voltage and current connections (i.e. Kelvin Connection) making them suitable for very precise current measurements, current limitations and current regulation in power units, current sources and electronic loads. Other applications include: Current measurements in Pulse Width Modulated (PWM) control circuits as in servo and stepper motors and solenoid driver circuits.



Current Sensing Resistors

GENERAL SPECIFICATIONS

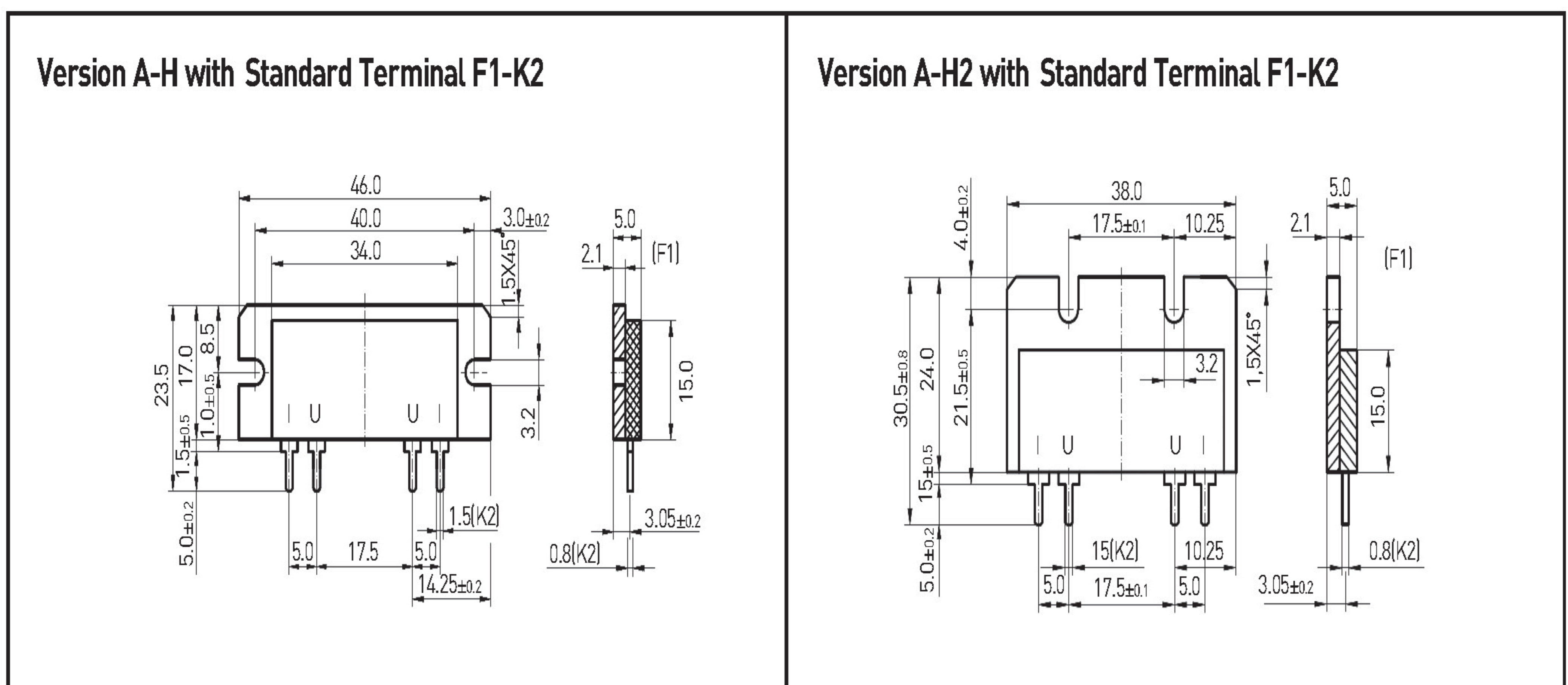
Model	Resistance	Load Capacity	TCR [ppm/°C] (R < 20mΩ)	Tolerance (%)
A-H	(1,2,5,10,22,50,100,200,500)mΩ (1,2,5,10,20,100)Ω	10W (With Heatsink)	< ±10ppm/K (20°C to 60°C)	B [±0.1], D [±0.5], F [±1]

*Tolerance 0.1% for values from 5mΩ

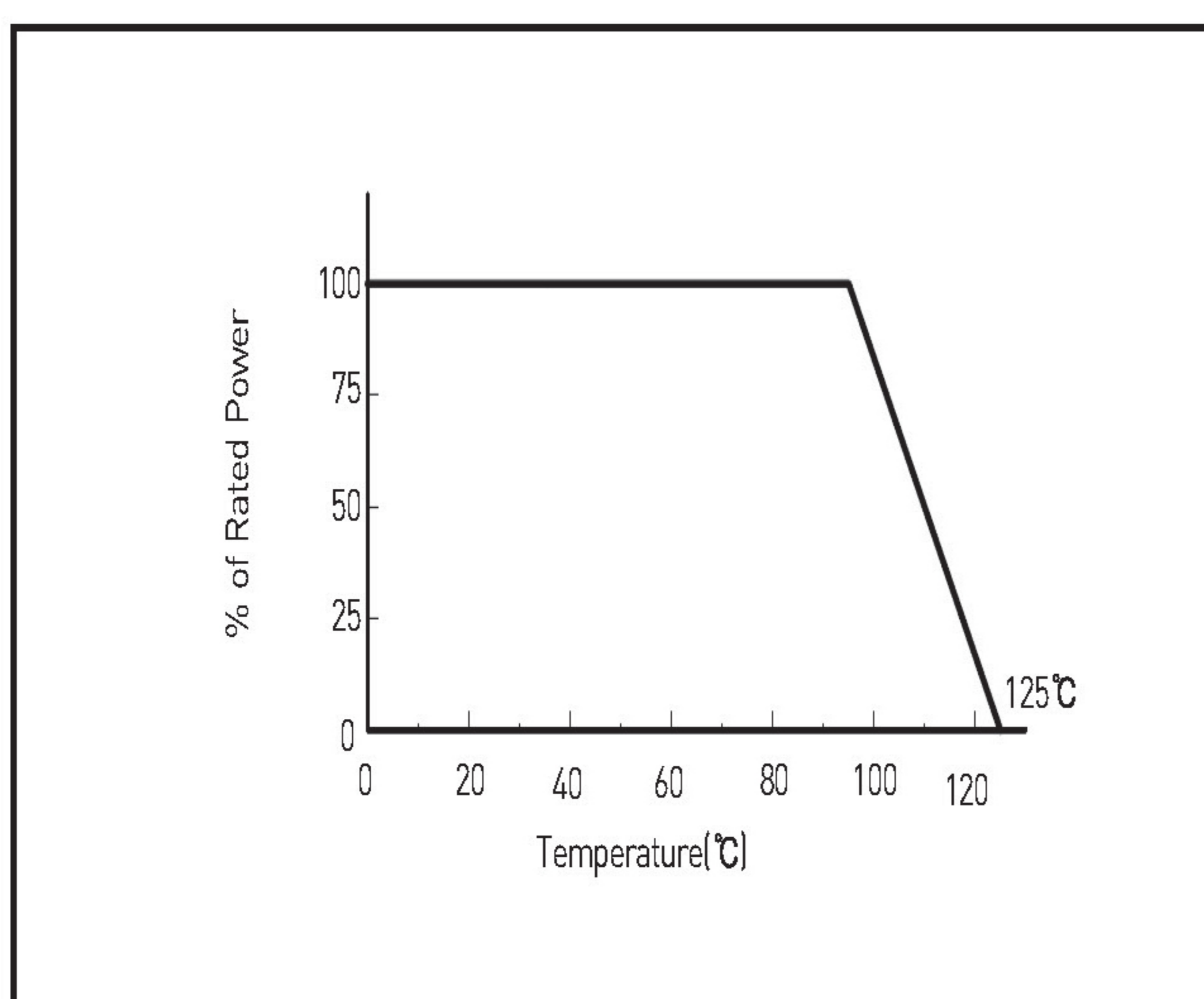
CHARACTERISTICS

Temperature Range	-55°C to +125°C
Dielectric Withstanding Voltage	500V AC
Load Capacity	10W with heatsink provided
Thermal Resistance to Aluminium Base Plate	Rth < 3°C / W
Thermal Resistance to Ambient Temperature	15°C / W
Inductance (R=10mΩ)	< 10nH
Stability at 125°C Foil Temperature	Deviation < 0.1% after 2,000hours

DIMENSIONS (mm)



DERATING CURVE



ORDERING PROCEDURE EXAMPLE

