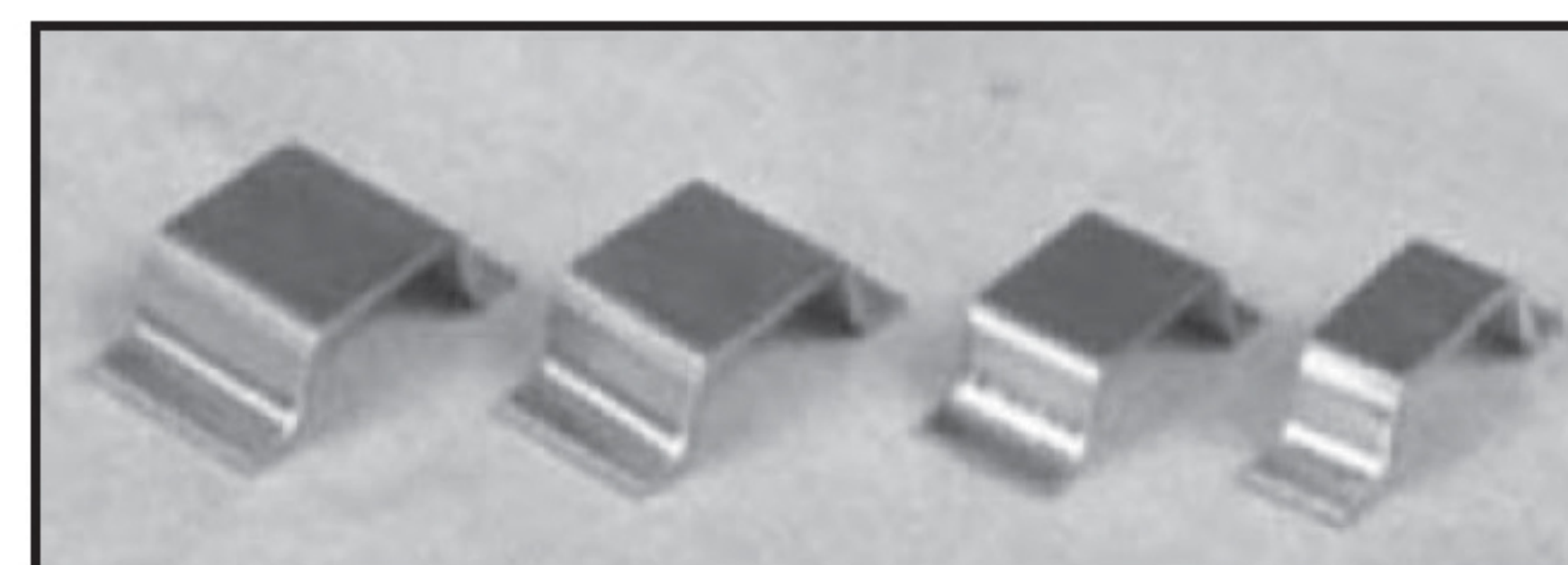


Preliminary version Metal Strip Shunt Resistor for Detecting Eletrical Current

These are durable, surface mounted, low resistance, low profile, low inductance metal plate resistors capable of handling large pulses. Standard characteristics include a 5% tolerance and a TCR of 80ppm/°C. Applications include: Current detection for high speed CPU peripherals, battery charging current protection, DC/DC conversion modules, DC/AC conversion, servo motor control and intelligent power modules.



■ GENERAL SPECIFICATIONS

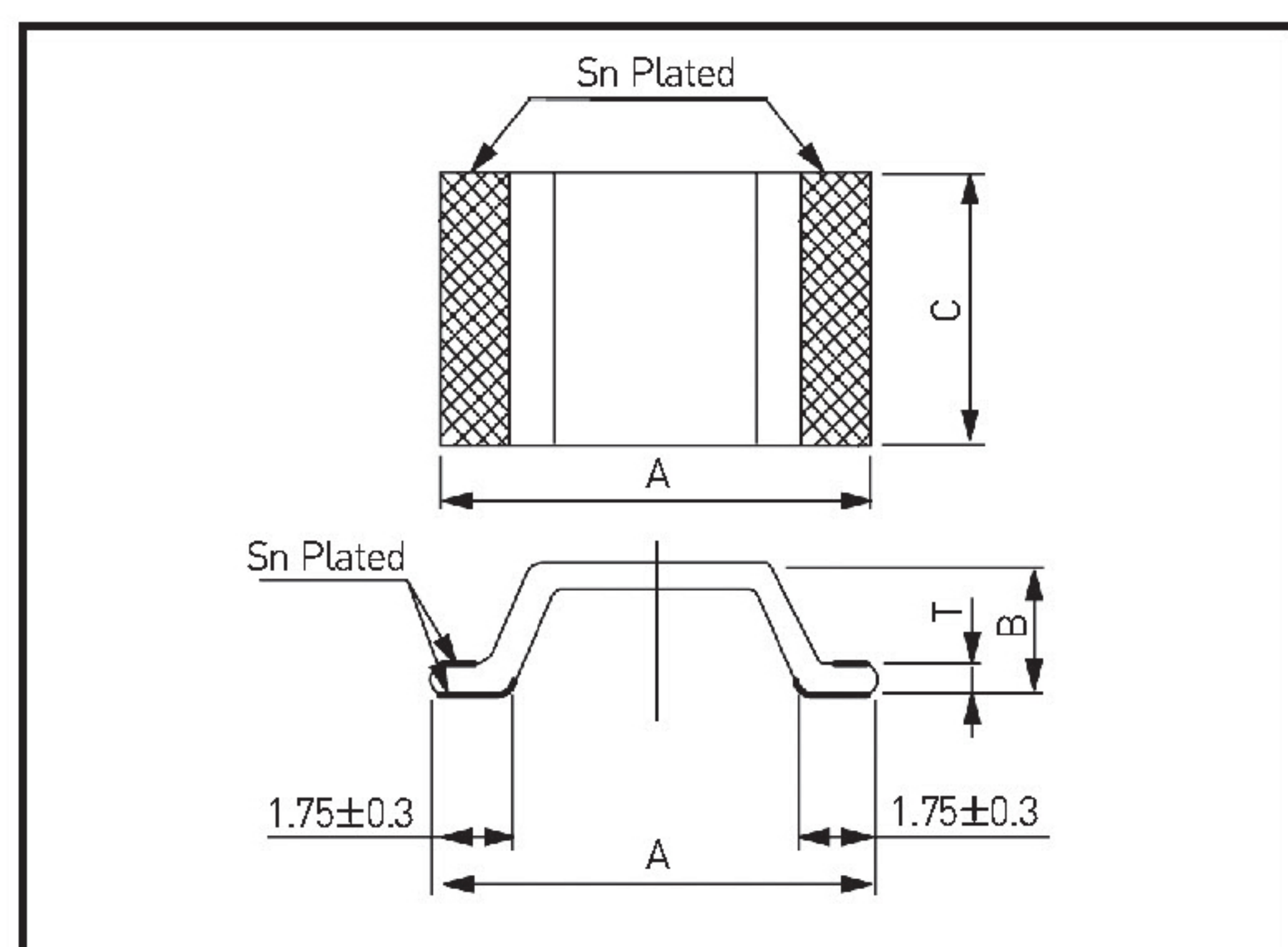
Model	Resistance[Ω]	Power Rating	Current Rating	Max. Current [2.5sec one time]	Series Inductance	TCR[ppm/°C]	Tolerance
CS30	1.0m	3W	54A	81A	3[nH]	±80 (20°C-105°C)	J [±5%] K [±10%]
	1.5m		45A	65A			
	2m		38A	57A			
	3m		31A	46A			

* Designed to suit your request

■ CHARACTERISTICS

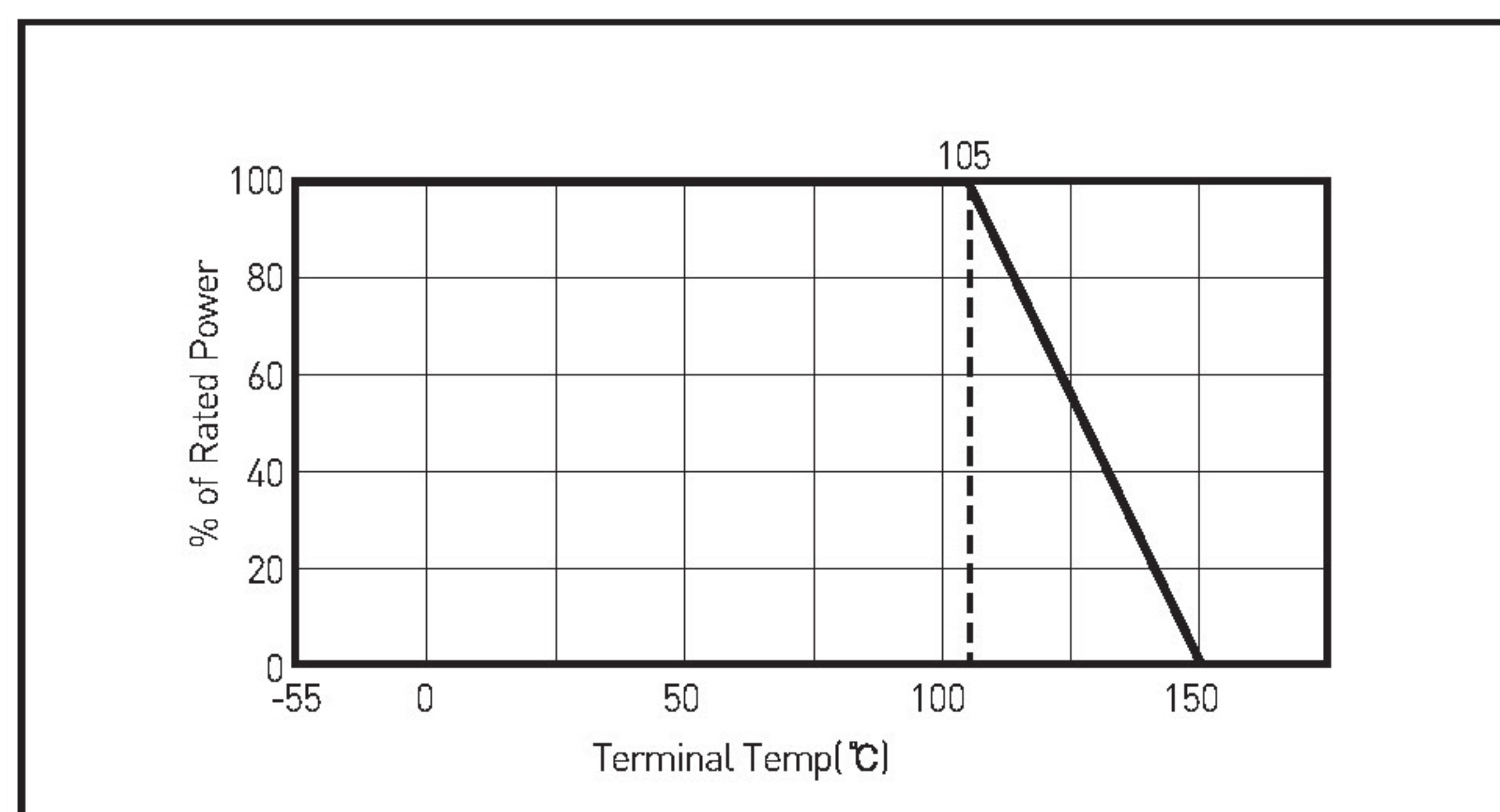
Temperature Range	-55°C ~150°C	
Short Time Overload	±[0.5%]	maximum current, 2.5secs.
Moisture Resistance	±[0.5%]	80°C, 85%RH, DC 0.1W, 1000hours
Thermal Shock	±[0.5%]	+55°C~+125°C, 20minutes interval, 5minutes 5Cycles
Vibration	±[0.5%]	10-2000Hz, 1.5mm/20gr, 2hours
Low Temperature Storage	±[0.5%]	-55°C, 24hours.
High Temperature Storage	±[1.0%]	+175°C, 1000hours
Soldering Heat	±[0.25%]	260°C±5°C, 10±1secs.
Solderability		90% terminal surface
Load Life	±[0.5%]	Rated power, 90minutes on, 30minutes off, 1000 hours

■ DIMENSIONS [mm]



Model	Resistance	Dimensions [mm]			
		A	B	C	T
CS30	1.0mΩ	10.7±0.5	2.9±0.3	5.2±0.5	0.8
	1.5mΩ	10.7±0.5	2.9±0.3	6.5±0.5	0.5
	2.0mΩ	10.7±0.5	2.9±0.3	4.2±0.5	0.5
	3.0mΩ	10.7±0.5	2.9±0.3	3.2±0.5	0.5

■ DERATING CURVE



■ ORDERING PROCEDURE EXAMPLE

