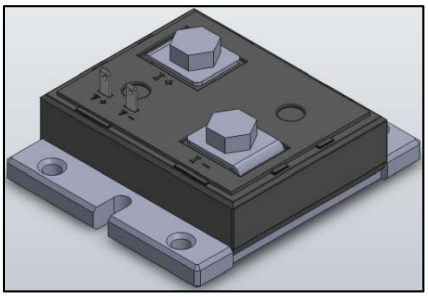
High Power Precision Shunt Resistor

- Up to 250W on heat sink
  (Forced cooling , Terminal temp. & copper flange temp. ≤+60C)
- Max. current limit 387 A (At. 1mΩ)
- Excellent long term stability & short term stability
- Low temperature coefficient of resistance(TCR)
- High current sensing & reference resistors in laboratories.
- Charge – discharge test equipment for high capacity batteries
- Current sources & laboratory power supplies



■ GENERAL SPECIFICATIONS

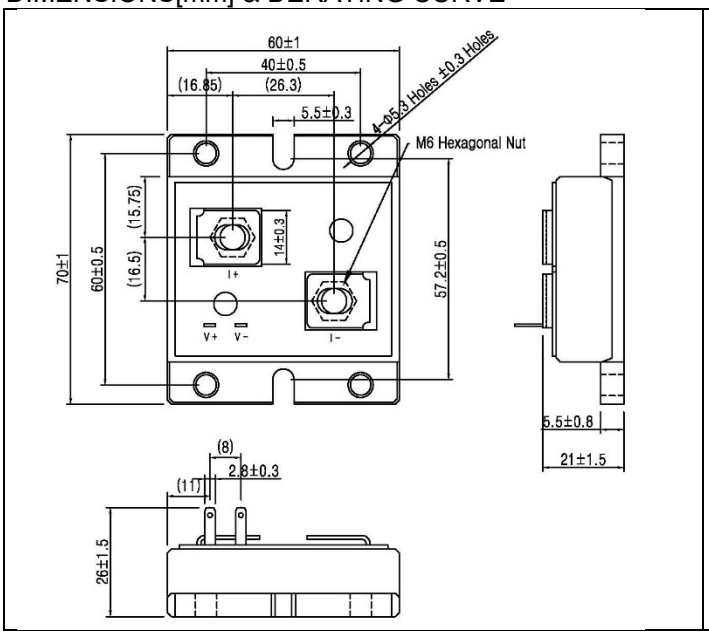
Model	*Rated Power [W]	**Resistance value [mΩ]	Tolerance [%]	Short term stability[%]
HPS	250	1, 2, 5, 10, 20, 50,100	±0.05(A), ±0.1(B) ±0.5(D), ±1.0(F)	≤±0.02 / ≤±0.03 ≤±0.05 / ≤±0.1

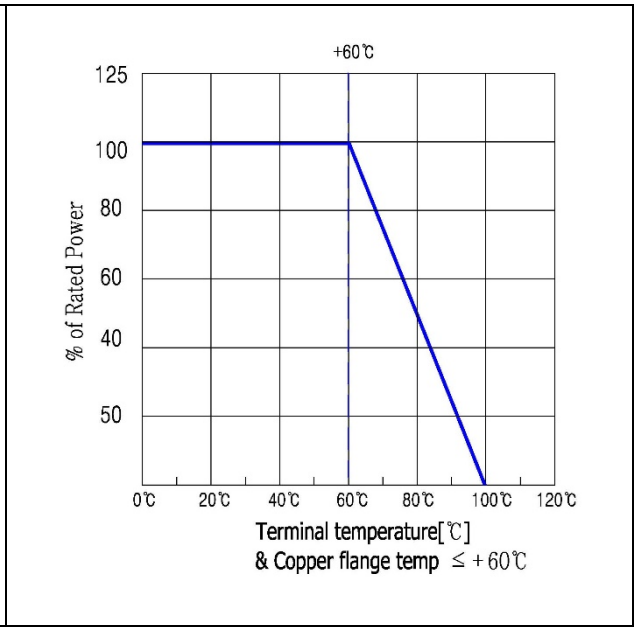
*: Terminal temp.&copper flange temp. ≤ +60C **: The resistance values of 20/50/100mΩ are under development

■ CHARACTERISTICS

Applicable temperature range	-55C ~ +100C
Rated power	250[W]
Resistance values	1,2,5,10,20,50,100 [mΩ]
Tolerance	A(±0.05%) / B(±0.1%) / D(±0.5%)/ F (±1%)
Max. working current	387A at 1mΩ
Dielectric withstanding voltage	AC 500V for 1Min. (Max. leakage current 2m A)
TCR	Max.±5 [ppm/C]
Short term Stability	Current load for 1 hour at terminal temp & copper flange temp. ≤+60C ΔR ≤±0.02%/≤±0.03%/≤±0.05%/≤±0.1%
Long Term Stability	≤±0.2[%] after 1,000 hours (Terminal temp≤+60C and copper flange. temp≤+60C)

■ DIMENSIONS[mm] & DERATING CURVE





■ ORDERING PROCEDURE