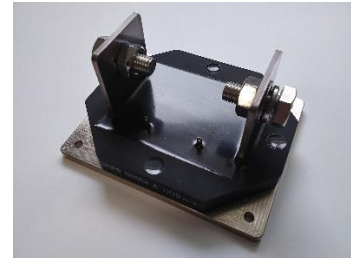




UHPS Ultra High Power Precision Shunt Resistor [Preliminary version]

- Up to 100W on heat sink (Forced cooling condition)
- Terminal temp. $\leq 70^\circ\text{C}$ & Aluminum case temp. $\leq 60^\circ\text{C}$
- Max. current limit 707A (At. $0.2\text{m}\Omega$)
- Excellent short term stability
- Low temperature coefficient of resistance (T.C.R)

Applications: -High current sensing & reference resistors in laboratories.
 -Charge/discharge test equipment for high capacity batteries
 -Current sources & laboratory power supplies



■ GENERAL SPECIFICATIONS

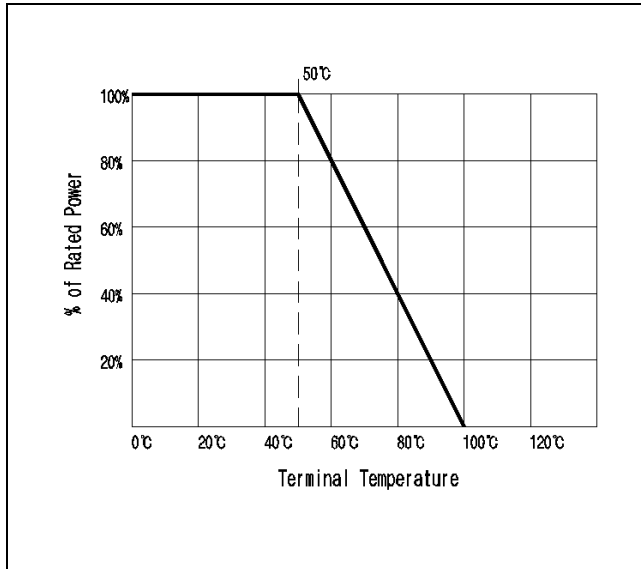
Model	*Rated Power	Resistance	Tolerance
UHPS	100W	$0.2\text{m}\Omega, 1\text{m}\Omega$	A [$\pm 0.05\%$], B [$\pm 0.1\%$] D [$\pm 0.5\%$], F [1.0%]

* Terminal temp. $\leq 70^\circ\text{C}$ & Aluminum case temp. $\leq 60^\circ\text{C}$ on Heatsink

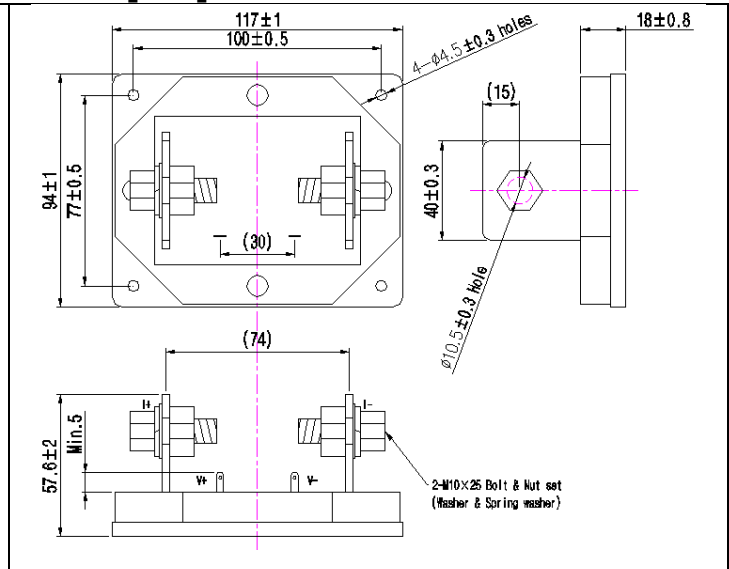
■ CHARACTERISTICS

Applicable temperature range	$-55^\circ\text{C} \sim +100^\circ\text{C}$
Max. working current	707A at $0.2\text{m}\Omega$
Temperature coefficient of resistance	Max. $\pm 10\text{ppm}/^\circ\text{C}$
Dielectric withstanding voltage	AC 500V (Max. leakage current 2mA)
Short term stability	Current load for 1 hour at terminal temperature $\leq 70^\circ\text{C}$, $\Delta R \leq 0.1\%$

■ DERATING CURVE



■ DIMENSIONS [mm]



■ ORDERING PROCEDURE

