

UP Series

Current Sensing Resistors



- Resistances from 0.0005 to 0.05 Ohms
- Tolerance to $\pm 0.05\%$
- Power Rating to 5Watts
- Low Temperature Coefficient
- For Current Sensing and Shunt Applications
- Low inductance
- All Welded Construction

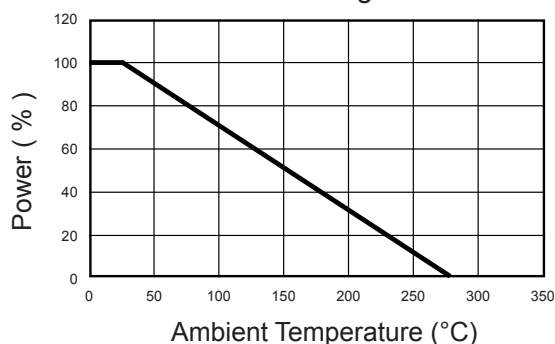


SPECIFICATIONS

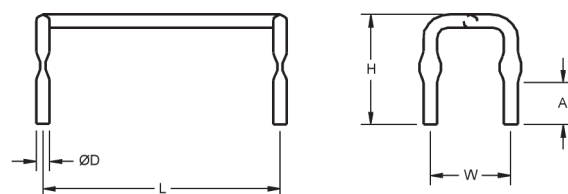
Type	Power Rating W @ 25°C	Resistance Range	L ± 0.020 [± 0.5]	W ± 0.020 [± 0.5]	H ± 0.04 [± 1.0]	A ± 0.020 [± 0.5]	B (Max)	D ± 0.002 [± 0.05]
UP-1	1	0.001 to 0.05	0.700 [17.8]	0.200 [5.1]	0.275 [7.0]	0.115 [2.9]	-	0.040 / 0.051 [1.0 / 1.3]
UP-2	5	0.0005 to 0.002	1.00 [25.4]	0.250 [6.4]	0.440 [11.2]	0.220 [5.6]	1.400 [35.6]	0.081 [2.1]
UP-3	3.5	0.003 to 0.05	1.00 [25.4]	0.250 [6.4]	0.375 [9.5]	0.115 [2.9]	-	0.051 [1.3]

Specification	Value
Tolerances	$\pm 0.05\%$ to $\pm 5\%$ (1% Standard)
Temperature Coefficient	$\pm 90\text{ppm/K}$ (Call Factory for Others)
Temperature Range	-55°C to $+275^\circ\text{C}$
Inductance	$< 10\text{ nH}$
Short Time Overload	5X Rated Power / 5s

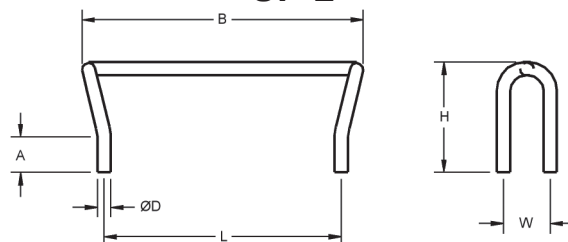
Power Derating Curve



UP-1 / UP-3



UP-2



Ordering Information

Part Number - Resistance - Tolerance - TCR (If not standard)

Example: UP-2 0.001 Ohm 1%