

HSP Series

Hermetically Sealed, Precision,
Ultra-High Stability, Axial Terminals



FEATURES

- Accuracy to $\pm 0.001\%$ absolute
- Shelf life to 10 ppm/year
- Temperature coefficient to ± 3 ppm/ $^{\circ}\text{C}$, -10°C to $+80^{\circ}\text{C}$
- Low voltage coefficient
- Low noise
- Extremely low thermal EMF
- Available in 4-terminal on HS500 series
- Oil-filled version available

SERIES SPECIFICATIONS

Model	Max. Resistance* (ohms)	Power Rating @ 25°C (watts)	Max. Voltage (volts)
HS185A	1.0M	0.125	300
HS205A	1.4M	0.25	300
HS207A	2.8M	0.40	600
HS210A	3.0M	0.50	600
HS308A	5.6M	0.60	600
HS310A	7.6M	0.80	600
HS510A	24M	1.00	600
HS515A	35M	1.25	600
HS520A	43M	1.50	900

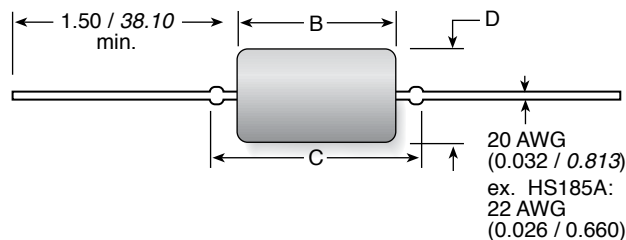
*Minimum Value = 10 Ω

Part Marking

- Ohmite
- Model
- Resistance value
- Resistance tolerance
- Date code

DIMENSIONS

(in./mm)



Model	Power Rating	D $\pm 0.010/0.254^*$	B $\pm 0.020/0.508$	C $\pm 0.030/0.762$
HS185A	0.125	0.187 / 4.75	0.500 / 12.70	0.625 / 15.88
HS205A	0.25	0.250 / 6.35	0.500 / 12.70	0.562 / 14.27
HS207A	0.40	0.250 / 6.35	0.750 / 19.05	0.812 / 20.62
HS210A	0.50	0.250 / 6.35	1.00 / 25.40	1.063 / 27.00
HS308A	0.60	0.375 / 9.52	0.820 / 20.80	0.920 / 23.35
HS310A	0.80	0.375 / 9.52	1.00 / 25.40	1.050 / 26.67
HS510A	1.00	0.500 / 12.70	1.05 / 25.40	1.220 / 30.99
HS515A	1.25	0.500 / 12.70	1.50 / 38.10	1.605 / 40.77
HS520A	1.50	0.500 / 12.70	2.00 / 50.80	2.160 / 54.86

*Clear sleeving available, add 0.040" / 1.016mm to body diam.

ORDERING INFORMATION

Type		Wattage	Oil-Filled	Resistance	Tolerance
H S 1 8 5 A S L 1 M 0 0 0 T		185 = 0.125W	A = Non oil-filled	1R000 = 1 Ω	T = 0.01%
		205 = 0.25	F = Oil-filled	10R00 = 10 Ω	Q = 0.02%
		207 = 0.40		100R0 = 100 Ω	A = 0.05%
		210 = 0.50		1K000 = 1000 Ω	B = 0.1%
		308 = 0.60		10K00 = 10 K Ω	C = 0.25%
		310 = 0.80		100K0 = 100 K Ω	D = 0.5%
		510 = 1.00		1M000 = 1 M Ω	F = 1.0%
		515 = 1.25			
		520 = 1.50			
			Sleeving		
			SL = with sleeving		
			blank = without		