HSP Series

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

ULTRONIX®
A Division of Ohmite Mfg. Co.

FEATURES

- Accuracy to ±0.001% absolute
- Shelf life to 10 ppm/year
- Temperature coefficient to ±3 ppm/°C, -10°C to +80°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

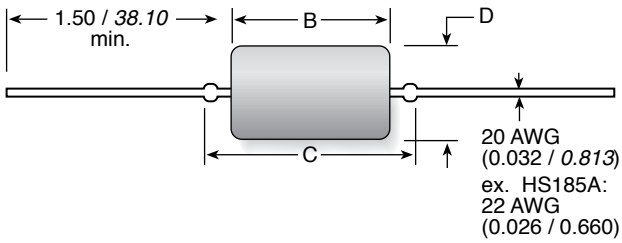
*Minimum Value = 10Ω

Part Marking

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

DIMENSIONS

(in./mm)



Model	Power Rating	D ±0.010/0.254*	B ±0.020/0.508	C ±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

H S 1 8 5 A S L 1 M 0 0 0 T

Type

Wattage
185 = 0.125W
205 = 0.25
207 = 0.40
210 = 0.50
308 = 0.60
310 = 0.80
510 = 1.00
515 = 1.25
520 = 1.50

Oil-Filled
A = Non oil-filled
F = Oil-filled

Sleeving
SL = with sleeving
blank = without

Resistance
1R000 = 1 Ω
10R00 = 10 Ω
100R0 = 100 Ω
1K000 = 1000 Ω
10K00 = 10 KΩ
100K0 = 100 KΩ
1M000 = 1 MΩ

Tolerance
T = 0.01%
Q = 0.02%
A = 0.05%
B = 0.1%
C = 0.25%
D = 0.5%
F = 1.0%