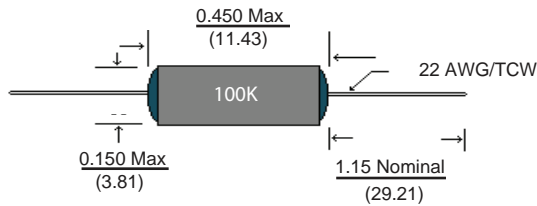


ASPC50 Power Shielded Inductors



Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Features

- Magnetically Shielded
- Epoxy End Caps for added Lead Strength and Protection

Electrical

Inductance Range: 1.0 μ h ~ 100 μ h

Tolerance: 10% across entire range
Tighter tolerances available

Test Frequency: 1.0 μ h ~ 5 μ h @ 7.9MHZ
10 μ h ~ 100 μ h @ 2.5MHZ

Operating Temp: -55°C ~ +125°C

Current Rating: Based on a .33 watt power dissipation for approximately 20°C Temp Rise

Allied Part Number	Inductance (μ h)	Tolerance (%)	Q Min.	Test Freq. (MHz)	SRF (MHz) Min.	DCR Max. (Ω)	Rated Current (mA)
ASPC50-1R0K-RC	1.0	10	55	7.9	200	0.05	2200
ASPC50-2R5K-RC	2.5	10	45	7.9	115	0.08	1700
ASPC50-5R0K-RC	5.0	10	35	7.9	90	0.12	1400
ASPC50-100K-RC	10	10	65	2.5	55	0.42	770
ASPC50-250K-RC	25	10	55	2.5	35	0.80	560
ASPC50-500K-RC	50	10	60	2.5	27	1.50	400
ASPC50-101K-RC	100	10	70	2.5	20	3.10	280

All specifications subject to change without notice.

Test Equipment

Inductance / Q: HP4342A

Current: CH301 Current Source and DCR Meter

SRF: HP4191A / HP4291A

Physical

Packaging: Bulk Only

Marking: EIA Inductance Code