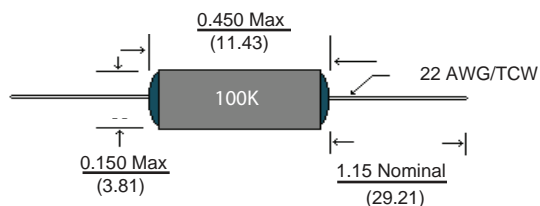


# ASPC50 Power Shielded Inductors



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



## Features

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

## Electrical

**Inductance Range:** 1.0 $\mu$ h ~ 100 $\mu$ h

**Tolerance:** 10% across entire range

Tighter tolerances available

**Test Frequency:** 1.0 $\mu$ h ~ 5 $\mu$ h @ 7.9MHZ  
10 $\mu$ h ~ 100 $\mu$ 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 ( $\mu$ h)	Tolerance (%)	Q Min.	Test Freq. (MHz)	SRF (MHz) Min.	DCR Max. ( $\Omega$ )	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