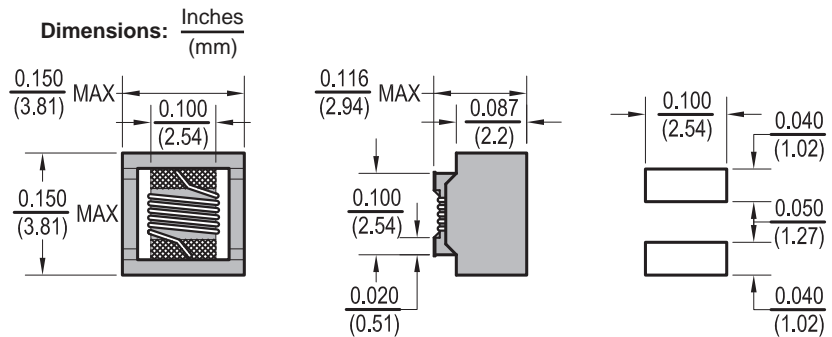




Power Shielded Inductors PS10



Allied Part Number	Inductance (μh)	Tolerance (%)	Q Min. @ 1Mhz	L Test Freq. (Mhz)	SRF Typ. (Mhz)	DCR (Ω) Max.	IDC (A)
PS10-1R0M-RC	1.0	20	26	0.1/1	344	0.05	3.0
PS10-1R5M-RC	1.5	20	26	0.1/1	260	0.08	2.8
PS10-1R8M-RC	1.8	20	28	0.1/1	225	0.09	2.1
PS10-2R7M-RC	2.7	20	30	0.1/1	185	0.14	1.5
PS10-3R9M-RC	3.9	20	30	0.1/1	172	0.29	1.2
PS10-4R7M-RC	4.7	20	30	0.1/1	157	0.35	1.1
PS10-5R6M-RC	5.6	20	30	0.1/1	150	0.39	1.1
PS10-6R8M-RC	6.8	20	30	0.1/1	150	0.58	.90
PS10-100M-RC	10	20	30	0.1/1	110	0.75	.82
PS10-150M-RC	15	20	30	0.1/1	95	1.15	.70
PS10-220M-RC	22	20	33	0.1/1	75	1.40	.65
PS10-330M-RC	33	20	33	0.1/1	30	1.61	.52
PS10-390M-RC	39	20	33	0.1/1	21	1.85	.46
PS10-470M-RC	47	20	33	0.1/1	18	2.20	.43
PS10-680M-RC	68	20	33	0.1/1	15	3.80	.33
PS10-820M-RC	82	20	33	0.1/1	12	4.30	.32
PS10-101M-RC	100	20	33	0.1/1	10	4.80	.31
PS10-121M-RC	120	20	33	0.1/1	8.0	5.00	.25
PS10-151M-RC	150	20	33	0.1/1	8.0	6.50	.24
PS10-221M-RC	220	20	33	0.1/1	5.8	12.0	.22
PS10-331M-RC	330	20	33	0.1/1	5.5	17.0	.20
PS10-471M-RC	470	20	33	0.1/1	3.8	19.0	.16
PS10-561M-RC	560	20	33	0.1/1	3.1	18.4	.13
PS10-681M-RC	680	20	33	0.1/1	2.8	24.0	.12
PS10-821M-RC	820	20	23	0.1/1	2.0	26.0	.10
PS10-102M-RC	1000	20	20	0.1/1	1.5	29.2	.10

All specifications subject to change without notice.

Features

- Shielded Power Inductor
- Only 2.94mm tall
- Specially designed ferrite shield
- Provides extremely low DCR and high current rating

Electrical

Inductance Range: 1 μH to 1000 μH
Tolerance: 20% over entire range, tighter tolerances available
LQ Test: OSC @ 100mV
Operating Temp: -25°C ~ +85°C
IDC: Current at which inductance drops by 10% of initial value

Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 245°C \pm 5°C for 10 sec. \pm 1 sec.
Test Time: 6 minutes

Test Equipment

(L/Q): HP4285A / HP4291
(RDC): Chen Hwa 502BC
(SRF): HP4291A
(IDC): Chen Hwa 1061 + 301A

Physical

Packaging: 750 pieces per 7 inch reel.
Marking: None