

# UNSHIELDED RADIAL POWER INDUCTOR



## P11R20875 SERIES



- Low cost, high current
- Inductance range from 10 - 10,000  $\mu\text{H}$
- Open construction
- Optional inductance tolerance: K =  $\pm 10\%$  (add suffix letter for tolerance after the part number)
- Operating temperature range:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- RoHS compliant product

### ELECTRICAL SPECIFICATION @ 25°C

Part Number	Inductance ( $\mu\text{H}$ ) ( $\pm 20\%$ )	DCR ( $\Omega$ ) (Max)	RATED $I_{\text{DC}}$ (A)
P11R20875-100	10	0.05	2.90
120	12	0.06	2.50
150	15	0.07	2.20
180	18	0.08	1.90
220	22	0.09	1.80
270	27	0.11	1.70
330	33	0.13	1.50
390	39	0.14	1.30
470	47	0.15	1.30
560	56	0.18	1.20
680	68	0.20	1.10
820	82	0.24	1.00
101	100	0.35	0.89
121	120	0.36	0.81
151	150	0.42	0.72
181	180	0.57	0.66
221	220	0.63	0.57
271	270	0.88	0.51
331	330	1.05	0.46
391	390	1.17	0.44
471	470	1.34	0.41
561	560	1.72	0.36
681	680	1.96	0.33
821	820	2.56	0.30
102	1000	2.94	0.27

- Inductance measured: 1KHz,  $0.30V_{\text{RMS}}$
- $I_{\text{RATED}}$ : Max 10% inductance drop and  $\Delta T = 40^{\circ}\text{C}$  Temp Rise

#### Dimensions

Unless otherwise specified, all tolerances are:  
 inch: .XX :  $\pm 0.015$  .XXX :  $\pm 0.004$   
 mm: X,X :  $\pm 0.38$  X,XX :  $\pm 0.10$

Product performance is limited to specified parameters. Data is subject to change without prior notice.

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### ELECTRICAL SPECIFICATION @ 25°C

Part Number	Inductance ( $\mu\text{H}$ ) ( $\pm 20\%$ )	DCR ( $\Omega$ ) (Max)	RATED $I_{\text{DC}}$ (A)
P11R20875-			
122	1200	4.04	0.24
152	1500	4.70	0.22
182	1800	5.05	0.20
222	2200	6.25	0.18
272	2700	8.72	0.16
332	3300	10.6	0.15
392	3900	14.2	0.14
472	4700	16.7	0.12
562	5600	18.7	0.11
682	6800	21.8	0.10
822	8200	28.7	0.093
103	10000	33.0	0.084

- Inductance measured: 1KHz,  $0.30V_{\text{RMS}}$
- $I_{\text{RATED}}$ : Max 10% inductance drop and  $\Delta T=40^\circ\text{C}$  Temp Rise

### DIMENSIONS

	A = 8.3 max	mm
	B = 7.5 max	mm
	C = 20.0 $\pm$ 2.0	mm
	E = 5.0 $\pm$ 0.5	mm
	F = 0.6 $\pm$ 0.1	mm

#### Dimensions

Unless otherwise specified, all tolerances are:

inch: .XX :  $\pm 0.015$  .XXX :  $\pm 0.004$

mm: X,X :  $\pm 0.38$  X,XX :  $\pm 0.10$

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