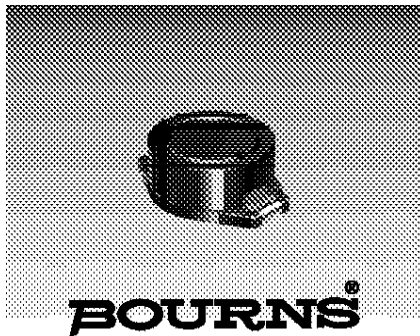




Features

- Available in E12 series
- Low profile - Available in both 3.8mm and 4.7mm unit heights
- High current

Applications

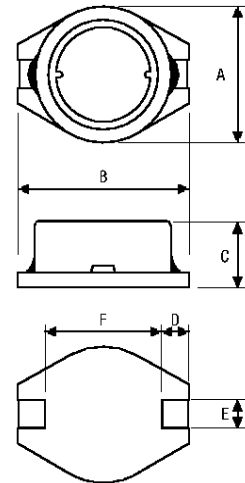
- Input/output of DC/DC converters
- Power supplies for:
 - Portable communications equipment
 - Camcorders
 - LCD TV
 - Car radios

SRR0804/0805 Series - Shielded Power Inductor

Electrical Specifications

Bourns Part No.	L (μH)	Q nom.	Test frequency Hz		SRF (MHz) typ.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SRR0804-5R0M	5.0 ± 20%	20	1000	7.96M	50.0	0.080	1.70
-7R5M	7.5 ± 20%	20	1000	7.96M	40.0	0.100	1.40
-100M	10 ± 20%	38	1000	2.52M	32.0	0.120	1.20
-120M	12 ± 20%	38	1000	2.52M	28.0	0.150	1.10
-150M	15 ± 20%	38	1000	2.52M	25.0	0.170	1.00
-180Y	18 ± 15%	35	1000	2.52M	23.0	0.190	0.90
-220Y	22 ± 15%	30	1000	2.52M	22.0	0.250	0.80
-270Y	27 ± 15%	28	1000	2.52M	18.0	0.270	0.70
-330Y	33 ± 15%	26	1000	2.52M	17.0	0.300	0.65
-390Y	39 ± 15%	26	1000	2.52M	16.0	0.380	0.60
-470Y	47 ± 15%	24	1000	2.52M	14.0	0.460	0.55
-560K	56 ± 10%	24	1000	2.52M	12.0	0.600	0.50
-680K	68 ± 10%	22	1000	2.52M	11.0	0.700	0.45
-820K	82 ± 10%	20	1000	2.52M	10.0	0.800	0.40

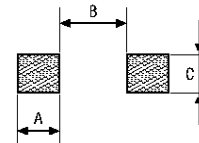
Configuration



Bourns Part No.	L (μH)	Q nom.	Test frequency Hz		SRF (MHz) typ.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SRR0805-2R2M	2.2 ± 20%	18	1000	7.96M	75.0	0.040	2.50
-3R9M	3.9 ± 20%	20	1000	7.96M	50.0	0.055	2.10
-4R7M	4.7 ± 20%	20	1000	7.96M	45.0	0.060	2.05
-5R6M	5.6 ± 20%	20	1000	7.96M	40.0	0.065	1.95
-6R8M	6.8 ± 20%	20	1000	7.96M	35.0	0.070	1.85
-8R2M	8.2 ± 20%	20	1000	7.96M	32.0	0.080	1.75
-100M	10 ± 20%	40	1000	2.52M	28.0	0.100	1.50
-120M	12 ± 20%	40	1000	2.52M	24.0	0.120	1.40
-150M	15 ± 20%	40	1000	2.52M	22.0	0.140	1.30
-180Y	18 ± 15%	40	1000	2.52M	19.0	0.160	1.20
-220Y	22 ± 15%	38	1000	2.52M	17.0	0.180	1.10
-270Y	27 ± 15%	35	1000	2.52M	15.5	0.200	1.00
-330Y	33 ± 15%	35	1000	2.52M	13.5	0.240	0.92
-390Y	39 ± 15%	35	1000	2.52M	12.0	0.260	0.84
-470Y	47 ± 15%	32	1000	2.52M	10.5	0.280	0.75
-560K	56 ± 10%	30	1000	2.52M	9.5	0.380	0.68
-680K	68 ± 10%	28	1000	2.52M	9.0	0.440	0.60
-820K	82 ± 10%	28	1000	2.52M	8.5	0.550	0.54
-101K	100 ± 10%	45	1000	0.796M	7.5	0.600	0.50
-121K	120 ± 10%	42	1000	0.796M	7.0	0.750	0.45

	SRR0804	SRR0805
A:	$\frac{8.0 \pm 0.2}{(.315 \pm .008)}$	$\frac{8.0 \pm 0.2}{(.315 \pm .008)}$
B:	$\frac{10.5 \pm 0.1}{(.413 \pm .004)}$	$\frac{10.5 \pm 0.1}{(.413 \pm .004)}$
C:	$\frac{3.8 \text{ max.}}{(.150)}$	$\frac{4.7 \text{ max.}}{(.185)}$
D:	$\frac{2.0 \text{ typ.}}{(.079)}$	$\frac{2.0 \text{ typ.}}{(.079)}$
E:	$\frac{2.0 \text{ typ.}}{(.079)}$	$\frac{2.0 \text{ typ.}}{(.079)}$
F:	$\frac{6.0 \text{ typ.}}{(.236)}$	$\frac{6.0 \text{ typ.}}{(.236)}$

Recommended Layout



A:	$\frac{2.4}{(.094)}$
B:	$\frac{5.7}{(.224)}$
C:	$\frac{2.2}{(.086)}$

Electrical Specifications

Test Voltage1V
 Reflow soldering230°C; 10 sec max.
 Operating Temp.-50°C to +125°C
 Storage Temp.-50°C to +125°C

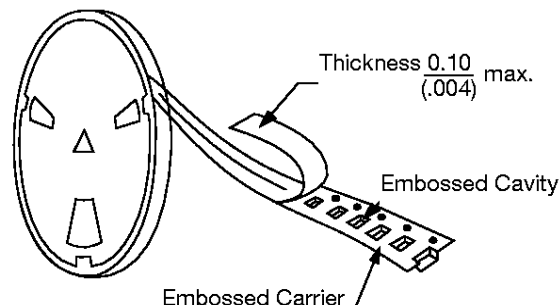
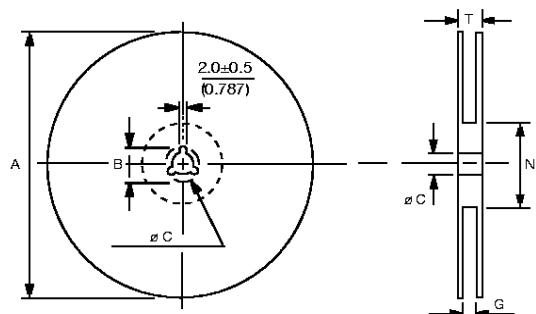
Materials

CoreFerrite DR&RI
 WireEnamelled copper
 BaseLCP E4008
 Terminal ElectrodeNickel Bronze
 Temperature Rise40°C max.
 at rated IDC

DIMENSIONS ARE: METRIC
(INCHES)

SRR0804/0805 Series - Shielded Power Inductor

Packaging Specifications

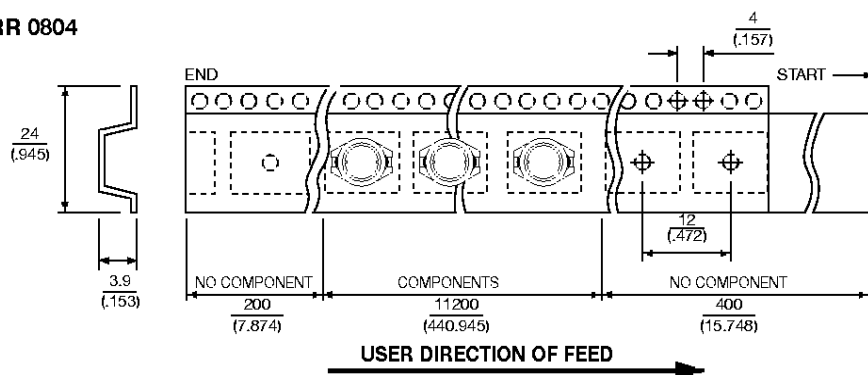


Reel Dimensions

Type	A	B	C	G	N	T
24 (.945)	330 (12.992)	24.0±1.0 (.945±.039)	13.0±0.5 (.512±.012)	26 (1.02)	50 (1.968)	31.5 (1.240)

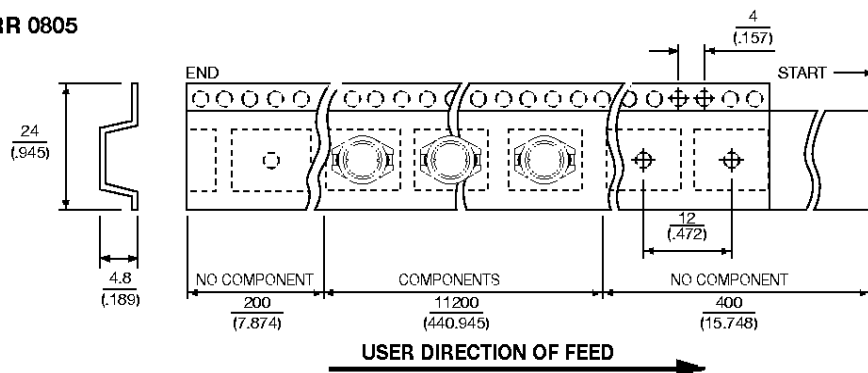
Quantity: 1000 pcs per reel

SRR 0804



DIMENSIONS ARE: METRIC (INCHES)

SRR 0805



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