

Datasheet

RS Pro Shielded Power Inductors



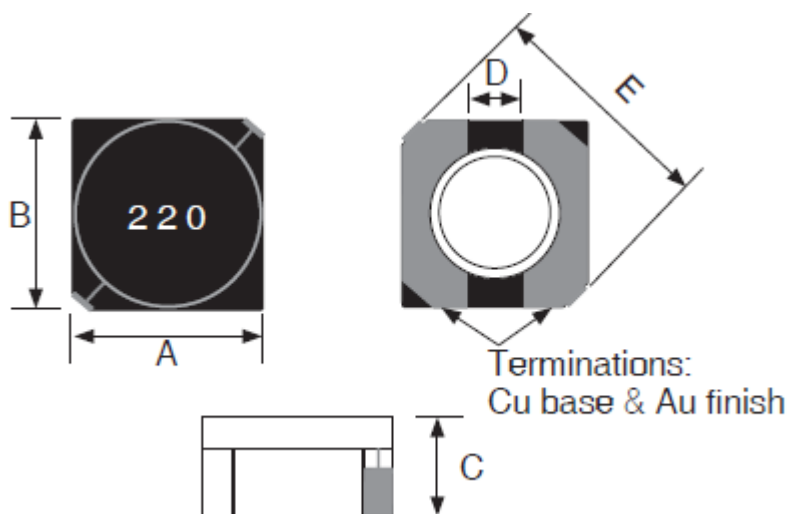
Features:

- Shielded Power Inductor
- Small size with current ratings to 5.2A
- Surface mountable construction
- High inductance (up to 1000μH)
- Taped and reeled for automatic insertion
- For use in DC/DC converters

Case Size	64
Inductance Range	1.5 ~ 1000μH
Inductance Tolerance	-55°C ~ +85°C
Ambient Operating Temperature Range	+125°C
Maximum Component Temperature (Ambient + Self-Heating)	+40°C
Inductance Change at Isat	-35% typical
Temperature Raise at Irms	±20% (M), ±30% (Y)
Resistance to Solder Heat	+250°C for 10 seconds

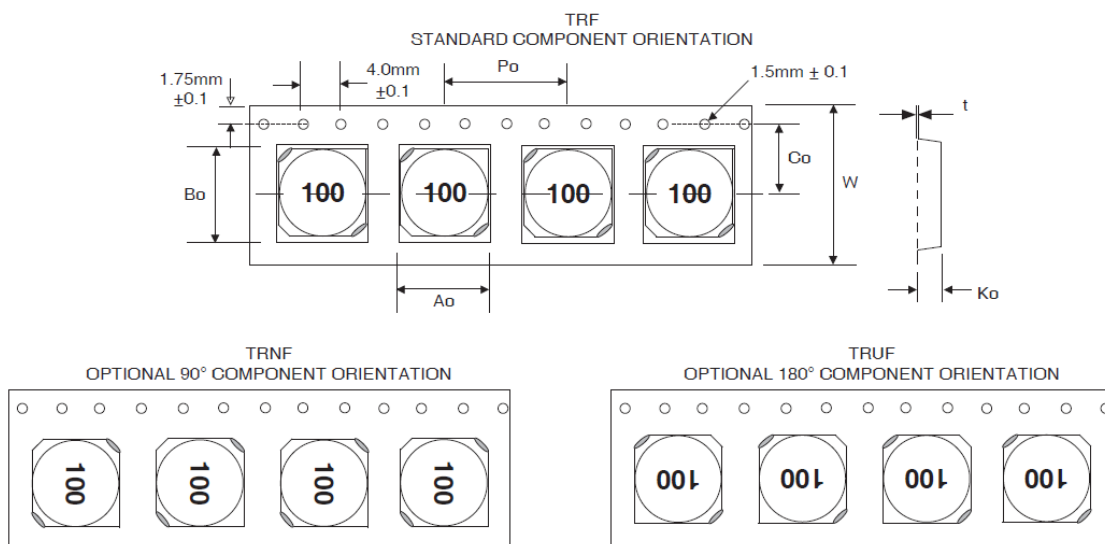
Dimensions:

Size	A	B	C	D typ.	E	F typ.
64	6.7 ± 0.3	6.7 ± 0.3	3.8 ± 0.2	2.0	9.0 ± 0.5	/



Stock No.	Standard Values - Case Size 43 (4.5 x 4.0 x 3.2mm)			
	Inductance Value (μ H)	DC Resistance (Ω)	DC Current I_{sat}/I_{rms} (Amps)	Test Conditions (L)
7419202	$10 \pm 20\%$	0.038	2	1KHz, 0.3V
7419218	$18 \pm 20\%$	0.092	1.5	1KHz, 0.3V
7419224	$33 \pm 20\%$	0.124	1.1	1KHz, 0.3V
7419246	$100 \pm 20\%$	0.358	0.65	1KHz, 0.3V
7419252	$180 \pm 20\%$	0.69	0.49	1KHz, 0.3V
7419265	$270 \pm 20\%$	1.29	0.4	1KHz, 0.3V
7419274	$560 \pm 20\%$	2.85	0.29	1KHz, 0.3V

Chip Size	Reel Qty.	Carrier Tape Dimensions (mm)						
		W	A0	B0	Co	K0	Po	t
64	1,000	16.0	7.4	7.4	7.5	4.5	12	0.35



Tape Width	Reel Dimensions (mm)			
	A(mm)	B(mm)	C(mm)	D(mm)
16mm	16.5 ± 0.1	100 ± 1	13 ± 0.5	330

Size	Reel Quantity (330mm Reel)
	64
Qty./Reel	1000
Tape Width	16mm

