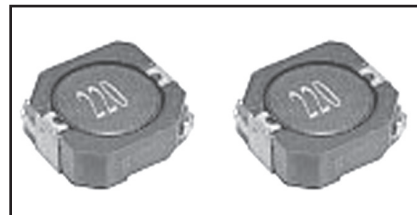




FEATURES

- Surface mount, shielded power inductors
- Small size with current ratings up to 5.5 amps
- Inductance values up to 1,000 μ H
- Taped and reeled for automatic insertion
- For use in DC/DC converters

**RoHS
Compliant**
includes all homogeneous materials

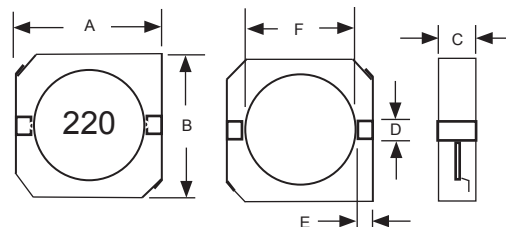


CHARACTERISTICS

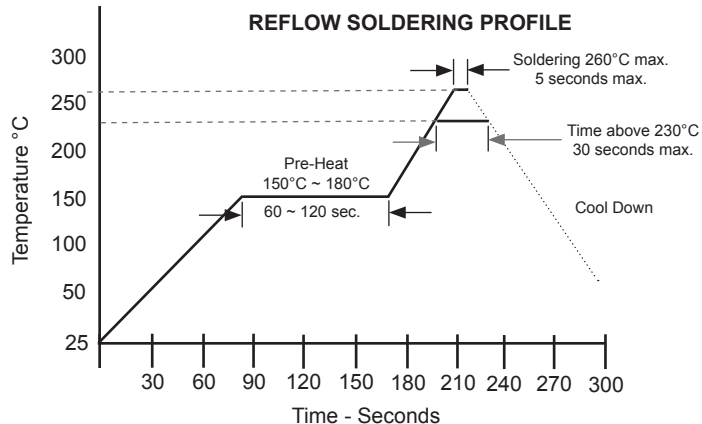
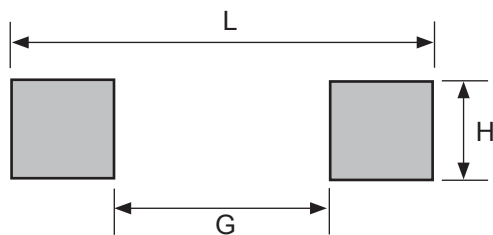
Case Size	104	105
Inductance Range	3.8 ~ 330 μ H	22 ~ 1,000 μ H
Ambient Operating Temperature Range	-25°C ~ +85°C	
Maximum Component Temperature (Ambient + Self-Heating)	+125°C	
Temperature Rise at IDC	+40°C max.	
Inductance Change at IDC	-25% typical	
Inductance Tolerance	±20% (M)	

DIMENSIONS (mm)

Size	A	B	C	D	E	F
104	10.6 max	10.5 max	4.0 max	3.0 ref	1.2 ± 0.15	7.7 ± 0.3
105			5.0 max			



L	G	H
10.7	7.3	3.6





Article	STANDARD VALUES - CASE SIZE 104 (10.6 x 10.5 x 4.0mm)			
	Inductance Value (μH)	DC Resistance (mΩ)	DC Current I _{rms} /I _{sat} (Amps)	Test Frequency
124-5602	3.8 ± 30%	13.0	5.50	100KHz
124-5603	4.7 ± 30%	20.0	5.40	
124-5604	6.8 ± 30%	27.0	4.50	
124-5605	10 ± 20%	40.0	3.80	1KHz
124-5606	15 ± 20%	80.0	3.10	
741-9300	22 ± 20%	73.0	2.50	
741-9293	33 ± 20%	93.0	2.20	
741-9296	47 ± 20%	128.0	1.90	
124-5607	68 ± 20%	213.0	1.42	
741-9290	100 ± 20%	304.0	1.25	
124-5608	150 ± 20%	506.0	0.85	
124-5609	220 ± 20%	756.0	0.70	
124-5610	330 ± 20%	1090.0	0.52	

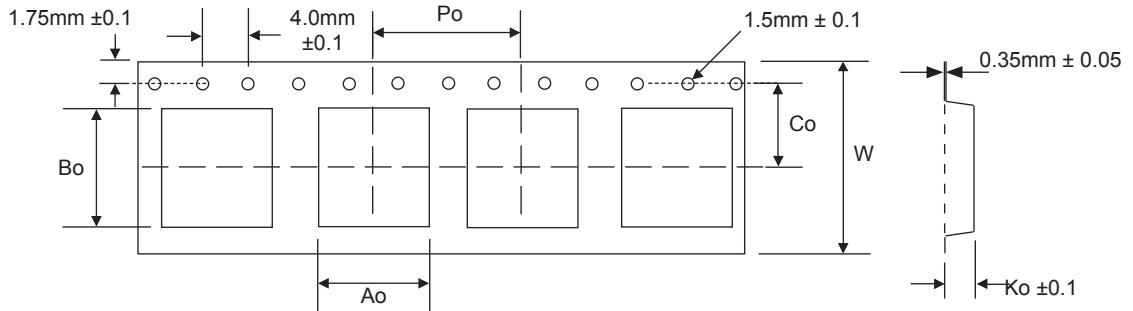
I_{rms}/I_{sat} specification is based on +40°C temperature rise or -25% inductance change at inductance whichever is less.

Article	STANDARD VALUES - CASE SIZE 105 (10.6 x 10.5 x 5.2mm)			
	Inductance Value (μH)	DC Resistance (mΩ)	DC Current I _{rms} /I _{sat} (Amps)	Test Frequency
124-5611	22 ± 20%	61.0	2.95	1KHz
124-5612	100 ± 20%	253.0	1.35	
124-5613	220 ± 20%	500.0	0.94	
124-5615	330 ± 20%	812.0	0.75	
124-5616	680 ± 20%	1599.0	0.52	
124-5617	820 ± 20%	1768.0	0.50	
124-5618	1,000 ± 20%	1989.0	0.48	

I_{rms}/I_{sat} specification is based on +40°C temperature rise or -25% inductance change at inductance whichever is less.



Case Size	TAPING DIMENSIONS (mm)						
	Ao	Bo	Ko	Co	W	Po	Qty/Reel
104	10.65	10.65	4.2	11.5	24.0	16.0	1,000
105			5.2				



Tape Width	REEL DIMENSIONS (mm)			
	A(mm)	B(mm)	C(mm)	D(mm)
16mm	26.0 +0	100 -0	13 ±0.5	330

