

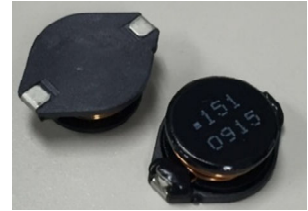


BF5220 Series



1. Features of BF5220 Series :

- Miniature SMD power inductor.
- Inductance range of 1.0uH to 1,000.0uH.
- Ideal for DC to DC power converter application.
- Operating temperature range of -40.0 °C up to +85.0°C.
- RoHS and HF Compliant.
- Tape and Reel quantities: 550pcs, Reel



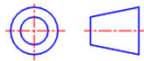
2. Electrical Characteristics of BF5220 Series:

Part Number	L $\pm 20\%$ (uH)	DCR (Max.) (Ω)	Isat (A)	Irms (A)
BF5220-1R0MHF	1.0	0.009	14.40	11.88
BF5220-1R5MHF	1.5	0.010	10.89	9.09
BF5220-2R2MHF	2.2	0.012	9.27	7.65
BF5220-3R3MHF	3.3	0.015	7.65	6.39
BF5220-4R7MHF	4.7	0.018	6.48	5.40
BF5220-6R8MHF	6.8	0.022	5.40	4.50
BF5220-100MHF	10.0	0.029	4.32	3.51
BF5220-150MHF	15.0	0.046	3.60	2.97
BF5220-220MHF	22.0	0.068	3.06	2.52
BF5220-330MHF	33.0	0.100	2.43	1.98
BF5220-470MHF	47.0	0.140	2.10	1.71
BF5220-680MHF	68.0	0.200	1.67	1.50
BF5220-101MHF	100.0	0.300	1.38	1.14
BF5220-331MHF	330.0	0.930	0.77	0.64
BF5220-471MHF	470.0	1.270	0.66	0.54
BF5220-681MHF	680.0	1.840	0.52	0.43
BF5220-102MHF	1000.0	2.470	0.45	0.37

3. Mechanical Dimensions (unit : mm):

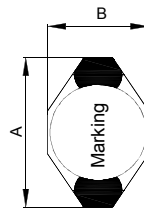
A	B	C	D	E	F	G
Max.	Max.	Max.	± 0.5	Max.	Ref.	Ref.
12.95	9.50	5.21	8.40	7.62	2.54	2.54

Third Angle Projection:

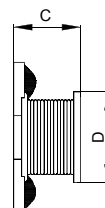


Part Marking:

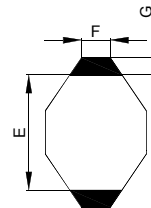
Rxx x: xx is inductance value in uH(R:decimal point),
x is special code.
YYWW: Date Code



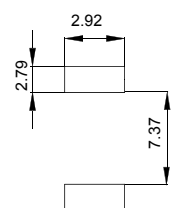
TOP VIEW



SIDE VIEW



BOTTOM VIEW



SUGGEST PCB LAYOUT

Test Condition:

1. Test condition: 100Khz, 0.1V, (Ta=25°C)
2. Isat: 10% Maximum inductance roll-off
3. I rms: DC current rating that causes an approximate temperature rise (ΔT) of 40°C

● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
 ● Tokyo 81 568 85 2830 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767
 ● sales@ITG-Electronics.com ● www.ITG-Electronics.com Revision D: February 8, 2016

*Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.