



Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

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RF Coated Chokes (Axial Leads)—1202 series

A. Electrical Specifications:

Part Number	Inductance (μH)	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (OHM) Max.	Rated Current (mA) Max.
1202-01K	0.10	40	25	680	0.08	1380
1202-02K	0.12	40	25	640	0.09	1300
1202-03K	0.15	38	25	600	0.10	1230
1202-04K	0.18	35	25	550	0.12	1120
1202-05K	0.22	33	25	510	0.14	1040
1202-06K	0.27	33	25	430	0.16	975
1202-07K	0.33	30	25	410	0.22	830
1202-08K	0.39	30	25	365	0.30	710
1202-09K	0.47	30	25	330	0.35	660
1202-10K	0.56	30	25	300	0.50	550
1202-11K	0.68	28	25	275	0.60	500
1202-12K	0.82	28	25	250	0.85	420
1202-13K	1.0	25	25	230	0.35	390
1202-14K	1.2	25	7.9	150	0.18	620
1202-15K	1.5	28	7.9	140	0.22	560
1202-16K	1.8	30	7.9	125	0.30	480
1202-17K	2.2	30	7.9	115	0.40	415
1202-18K	2.7	37	7.9	100	0.55	355
1202-19K	3.3	45	7.9	90	0.85	285
1202-20K	3.9	45	7.9	80	1.0	263
1202-21K	4.7	45	7.9	75	1.2	239
1202-22K	5.6	50	7.9	65	1.8	195
1202-23K	6.8	50	7.9	60	2.0	185
1202-24K	8.2	55	7.9	55	2.7	160
1202-25K	10	55	7.9	50	3.3	144
1202-26K	12	45	2.5	40	2.7	160
1202-27K	15	45	2.5	35	2.8	157
1202-28K	18	50	2.5	30	3.1	149
1202-29K	22	50	2.5	25	3.3	144
1202-30K	27	50	2.5	20	3.5	140
1202-31K	33	45	2.5	24	3.4	130
1202-32K	39	45	2.5	22	3.6	125
1202-33K	47	45	2.5	20	4.5	110
1202-34K	56	45	2.5	18	5.7	100
1202-35K	68	50	2.5	15	6.7	92
1202-36K	82	50	2.5	14	7.3	88
1202-37K	100	50	2.5	13	8.0	84
1202-38K	120	30	0.79	12	13	66
1202-39K	150	30	0.79	11	15	61
1202-40K	180	30	0.79	10	17	57
1202-41K	220	30	0.79	9.0	21	52
1202-42K	270	30	0.79	8.0	25	47
1202-43K	330	30	0.79	7.0	28	45
1202-44K	390	30	0.79	6.5	35	40
1202-45K	470	30	0.79	6.0	42	36
1202-46K	560	30	0.79	5.0	46	35
1202-47K	680	30	0.79	4.2	60	30
1202-48K	820	30	0.79	3.8	65	29
1202-49K	1000	30	0.79	3.4	72	28

Note: **RoHS** compliant; for the **ROHS** parts, we add “-LFR” at the end of the P/N.



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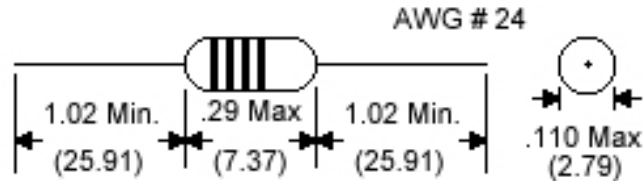
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B. Mechanical Dimensions:



Mechanical drawing

C. General Information:

1. Coil Form Material: Phenolic & Ferrite
2. Body Size: 7.37 x 2.79 mm
3. Inductance (Current) ranges: 0.10uH (1.38A) - 1000uH (28mA)
4. Inductance Tolerance: M: $\pm 20\%$, K: $\pm 10\%$, J: $\pm 5\%$.
5. DCR: from 0.08 - 72.0 Ohms.
6. Other information:

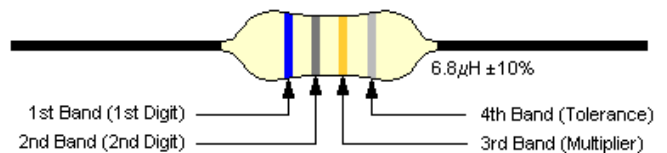
Spec. / Series	1201 to 1211 Series	1310 to 1501 Series
Operating Temperature:	- 20°C to + 80°C	Phenolic: 125°C Max. Ferrite: 105°C Max.
Temp. Rise:	20°C	Phenolic: 35°C Max. Ferrite: 15°C Max.
Ambient Temperature:	90°C Max.	
Terminal Strength:	3 lb.	
Marking:	Color Code in accordance with EIA	Color Code in accordance with MIL-C-15305 D
Moisture & Heat Resist.:	$\Delta L/L \leq \pm 5\%$ $\Delta Q/Q \leq \pm 10\%$	
Dielectric Strength:	1KV rms.	
Test Equipment:	L & Q = HP4342A at specified frequency DCR = Milli-Ohm meter, SRF = HP4191A	

7. Color Code for RF Coated Chokes:

Color	Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Gray	White	Gold	Silver	None
Digit	0	1	2	3	4	5	6	7	8	9	--	--	--
Multiplier	1	10	100	1000	10,000	--	--	--	--	--	0.1	0.01	--
Tolerance	--	--	--	3%	--	--	--	--	--	--	5%	10%	20%

Example for color code on Molded Inductor:

Inductance (μ H)	1st Band	2nd Band	3rd Band	4th Band
$0.68 \pm 10\%$	Blue	Gray	Silver	Silver
$6.8 \pm 10\%$	Blue	Gray	Gold	Silver
$68 \pm 10\%$	Blue	Gray	Black	Silver



Color Code

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