



# Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065

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## RF Coated Chokes (Axial Leads)—1201 series

### A. Electrical Specifications:

Part Number	Inductance (uH)	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (OHM) Max.	Rated Current (mA) Max.
1201-01M	0.15	50	25.0	525	0.030	2740
1201-02M	0.22	50	25.0	450	0.055	2020
1201-03M	0.33	45	25.0	360	0.090	1580
1201-04M	0.47	45	25.0	310	0.120	1370
1201-05K	0.56	50	25.0	280	0.135	1290
1201-06K	0.68	50	25.0	250	0.150	1220
1201-07K	0.82	50	25.0	220	0.220	1020
1201-08K	1.00	50	25.0	200	0.290	880
1201-09K	1.20	33	7.90	180	0.420	730
1201-10K	1.50	33	7.90	160	0.500	670
1201-11K	1.80	33	7.90	150	0.650	590
1201-12K	2.20	33	7.90	135	0.950	485
1201-13K	2.70	33	7.90	120	1.200	430
1201-14K	3.30	33	7.90	110	2.00	335
1201-15K	3.90	33	7.90	100	2.30	310
1201-16K	4.70	33	7.90	80	0.30	480
1201-17K	5.60	45	7.90	60	0.32	565
1201-18K	6.80	50	7.90	55	0.50	450
1201-19K	8.20	50	7.90	50	0.60	410
1201-20K	10	55	7.90	45	0.90	335
1201-21K	12	65	2.50	42	1.10	305
1201-22K	15	65	2.50	40	1.40	271
1201-23K	18	75	2.50	34	2.25	213
1201-24K	22	75	2.50	30	2.50	202
1201-25K	24	60	2.50	26	2.50	202
1201-26K	27	60	2.50	25	2.60	198
1201-28K	30	65	2.50	21	2.80	191
1201-29K	33	65	2.50	19	3.00	185
1201-31J	36	60	2.50	15.50	2.50	202
1201-32J	39	60	2.50	14.50	2.60	198
1201-33J	43	60	2.50	13.70	2.70	194
1201-34J	47	55	2.50	13.00	2.75	193
1201-35J	51	55	2.50	12.70	2.85	189
1201-36J	56	55	2.50	12.00	3.00	184
1201-37J	62	55	2.50	11.50	3.15	180
1201-38J	68	55	2.50	11.00	3.30	176
1201-39J	75	55	2.50	10.50	3.70	166
1201-40J	82	50	2.50	10.30	3.90	162
1201-41J	91	50	2.50	10.00	4.30	154
1201-42J	100	50	2.50	9.50	4.50	151
1201-43J	110	60	0.79	8.90	4.90	144
1201-44J	120	65	0.79	8.70	5.20	140
1201-45J	130	65	0.79	8.50	5.45	137
1201-46J	150	65	0.79	8.00	6.05	130
1201-47J	160	65	0.79	7.50	6.40	126
1201-48J	180	65	0.79	8.00	6.05	130
1201-49J	200	65	0.79	6.50	7.10	123
1201-50J	220	65	0.79	6.20	7.45	117
1201-51J	240	65	0.79	5.90	7.80	115
1201-52J	270	65	0.79	5.70	11.00	143
1201-53J	300	65	0.79	5.40	11.50	140
1201-54J	330	65	0.79	5.10	12.00	136
1201-55J	360	65	0.79	4.80	12.50	134
1201-56J	390	65	0.79	4.50	16.30	117
1201-57J	430	65	0.79	4.20	17.10	115
1201-58J	470	65	0.79	3.90	17.90	112
1201-59J	510	65	0.79	3.70	18.80	109
1201-60J	560	65	0.79	3.80	19.50	107
1201-61J	620	65	0.79	3.30	25.90	93
1201-62J	680	65	0.79	3.10	27.20	91
1201-63J	750	65	0.79	2.90	28.60	88
1201-64J	820	65	0.79	2.70	30.00	86
1201-65J	910	65	0.79	2.50	31.50	84
1201-66J	1000	65	0.79	2.30	33.00	82

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

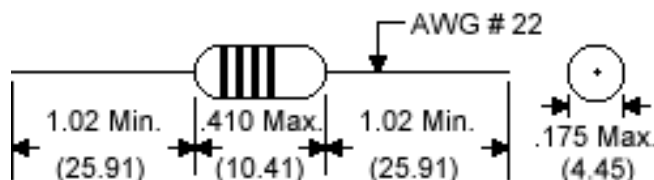


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## RF Coated Chokes (Axial Leads)—1201 series

### B. Mechanical Dimensions:



Mechanical drawing

### C. General Information:

1. Coil Form Material: Phenolic or Ferrite.
2. Body Size: 10.4 x 4.45 mm.
3. Inductance (Current) ranges: 0.15uH (2.74A) - 1000uH (82mA)
4. Inductance Tolerance: M:  $\pm 20\%$ , K:  $\pm 10\%$ , J:  $\pm 5\%$ .
5. DCR: from 0.03 to 33.0 Ohms.
6. Other information:

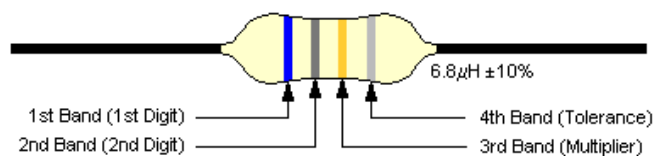
Spec. / Series	1201 to 1211 Series
Operating Temperature:	- 20°C to + 80°C
Temp. Rise:	20°C
Ambient Temperature:	90°C Max.
Terminal Strength:	3 lb.
Marking:	Color Code in accordance with EIA
Moisture & Heat Resist.:	$\Delta L/L \leq \pm 5\%$ $\Delta Q/Q \leq \pm 10\%$
Dielectric Strength:	1KV rms.
Test 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 ( $\mu H$ )	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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