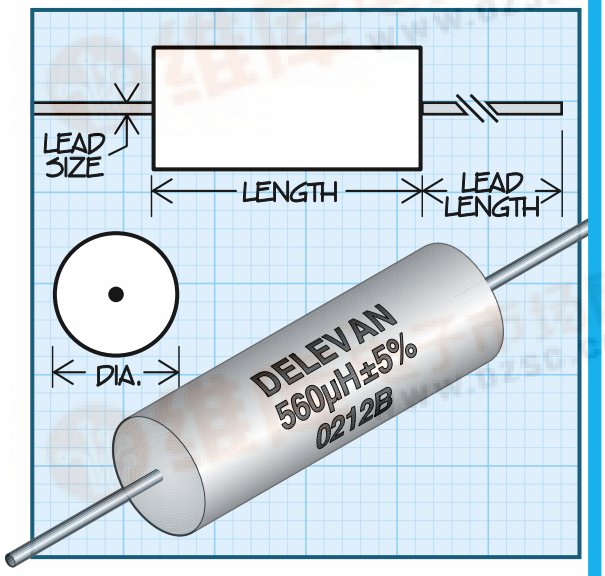
Series 4470R 4470

RoHS Compliant

Traditional First Quality

Molded Unshielded RF Coils



Physical Parameters

	Inches	Millimeters
Length	0.880 to 0.910	22.35 to 23.11
Diameter	0.270 to 0.310	6.86 to 7.87
Lead Size		
AWG #21 TCW	0.0260 to .0305	0.66 to 0.77
Lead Length	1.30 Min.	33.02 Min.

Operating Temperature –55°C to +125°C

Current Rating at 90°C Ambient 35°C Rise

Maximum Power Dissipation at 90°C 0.540 W

Test Methods MIL-PRF-15305 test methods, only. MS21380-01 to MS21380-49, reference.

Packaging Tape & reel: 12" reel, 800 pieces max.; 14" reel, 1300 pieces max. For additional packaging options, see technical section.

Made in the U.S.A.

DASH NUMBER*	MIL DASH # (Ref.)	INDUCTANCE (µH)	TOLERANCE	INDUCTANCE TEST FREQUENCY (MHz)	Q TEST FREQUENCY (MHz)	Q MINIMUM	SRF MINIMUM (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
MS21380 (Reference) – SERIES 4470 IRON CORE									
-01K	1	1.0	± 10%	25.0	15.0	130	136.0	0.03	4000
-02K	2	1.2	± 10%	7.9	15.0	130	124.0	0.03	4000
-03K	3	1.5	± 10%	7.9	10.0	130	112.0	0.03	4000
-04K	4	1.8	± 10%	7.9	10.0	130	100.0	0.03	4000
-05K	5	2.2	± 10%	7.9	10.0	130	92.0	0.04	3500
-06K	6	2.7	± 10%	7.9	10.0	100	81.6	0.04	3500
-07K	7	3.3	± 10%	7.9	7.9	100	72.0	0.04	3500
-08K	8	3.9	± 10%	7.9	7.9	80	68.0	0.05	3100
-09K	9	4.7	± 10%	7.9	7.9	75	64.0	0.05	3100
-10K	10	5.6	± 10%	7.9	7.9	65	57.6	0.06	3000
-11K	11	6.8	± 10%	7.9	7.9	65	52.0	0.06	3000
-12K	12	8.2	± 10%	7.9	7.9	65	45.6	0.09	2400
-13K	13	10.0	± 10%	7.9	5.0	75	40.0	0.15	1800
-14K	14	12.0	± 10%	2.5	5.0	75	36.0	0.20	1600
-15J	15	15.0	± 5%	2.5	5.0	75	32.0	0.30	1300
-16J	16	18.0	± 5%	2.5	5.0	75	28.8	0.40	1150
-17J	17	22.0	± 5%	2.5	2.5	75	25.6	0.50	1000
-18J	18	27.0	± 5%	2.5	2.5	70	24.0	0.60	900
-19J	19	33.0	± 5%	2.5	2.5	70	22.4	0.70	850
-20J	20	39.0	± 5%	2.5	2.5	70	20.8	1.00	720
-21J	21	47.0	± 5%	2.5	2.5	75	20.0	1.30	620
-22J	22	56.0	± 5%	2.5	2.5	80	17.6	1.80	540
-23J	23	68.0	± 5%	2.5	2.5	100	16.0	2.40	450
-24J	24	82.0	± 5%	2.5	2.5	100	14.4	2.80	425
-25J	25	100.0	± 5%	2.5	1.5	100	13.6	3.20	400
-26J	26	120.0	± 5%	0.79	1.5	100	12.0	4.10	360
-27J	27	150.0	± 5%	0.79	1.0	100	11.2	6.40	280
-28J	28	180.0	± 5%	0.79	1.0	95	9.60	9.50	240
-29J	29	220.0	± 5%	0.79	1.0	95	8.80	12.0	200
-30J	30	270.0	± 5%	0.79	1.0	70	7.20	13.0	195
-31J	31	330.0	± 5%	0.79	0.79	65	6.00	14.0	190
-32J	32	390.0	± 5%	0.79	0.79	65	5.20	15.5	180
-33J	33	470.0	± 5%	0.79	0.79	60	4.40	17.0	170
-34J	34	560.0	± 5%	0.79	0.50	75	3.20	18.5	165
-35J	35	680.0	± 5%	0.79	0.50	75	2.56	20.0	155
-36J	36	820.0	± 5%	0.79	0.50	75	2.24	22.0	150
-37J	37	1000.0	± 5%	0.79	0.50	75	1.92	24.0	145
-38J	38	1200.0	± 5%	0.79	0.50	75	1.68	27.0	137
-39J	39	1500.0	± 5%	0.79	0.40	75	1.52	29.0	130
-40J	40	1800.0	± 5%	0.79	0.40	65	1.36	32.0	125
-41J	41	2200.0	± 5%	0.25	0.25	65	1.20	35.0	120
-42J	42	2700.0	± 5%	0.25	0.25	65	1.04	40.0	112
-43J	43	3300.0	± 5%	0.25	0.25	65	0.96	45.0	105
-44J	44	3900.0	± 5%	0.25	0.25	65	0.80	49.0	100
-45J	45	4700.0	± 5%	0.25	0.25	65	0.76	53.0	95
-46J	46	5600.0	± 5%	0.25	0.25	65	0.68	60.0	90
-47J	47	6800.0	± 5%	0.25	0.25	65	0.60	67.0	85
-48J	48	8200.0	± 5%	0.25	0.25	65	0.52	75.0	82
-49J	49	10000.0	± 5%	0.25	0.15	65	0.47	80.0	80

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

***Complete part # must include series # PLUS the dash #**

For further surface finish information, refer to TECHNICAL section of this catalog.

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