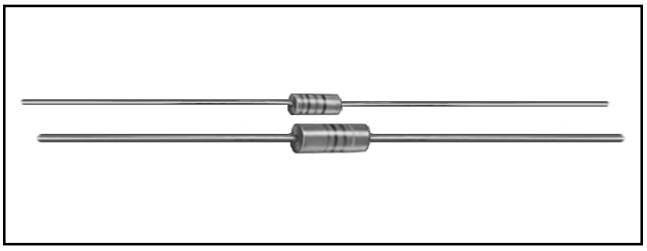
Inductors

Military, MIL-C-15305 Qualified, Type LT and Commercial, Molded

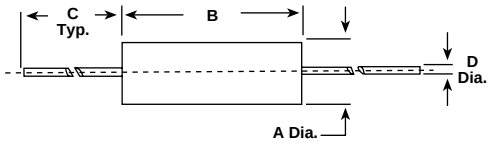


INDUCTANCE RANGE AND MILITARY STANDARD

MODEL	INDUCTANCE RANGE Mil. Range in bold face FROM	TO	CLASSIFICATION GRADE	CLASS	MILITARY STANDARD
IM-1	.10µH	100µH	—	—	—
IM-2	.022µH	.082µH	—	—	—
	.10µH	**1µH**	1	B	MS75083
	1.2µH	**27µH**	1	A	MS75084
	33µH	**1000µH**	1	A	MS75085
IM-4	**.15µH**	**4.7µH**	1	B	MS18130
	5.6µH	**33µH**	1	A	MS14046
	36µH	**240µH**	1	A	MS90538
	270µH	1800µH	—	—	—
IM-6	.10µH	2.7µH	1	B	MS75008 Not QPL'd
	3.3µH	**27µH**	1	A	MS75101
	33µH	220µH	—	—	—
	270µH	1000µH	1	A	MS90539 Not QPL'd
IM-8	1100µH	3600µH	1	A	MS90540 Not QPL'd
IM-9	68µH	150µH	1	A	MS14047 Not QPL'd
IM-10	3900µH	10,000µH	1	A	MS90541 Not QPL'd

DIMENSIONAL CONFIGURATIONS

[Numbers in brackets indicate millimeters]



MODEL		A (Dia.)	B	C (Typ.)	D (Dia.)
IM-1	Maximum	.086 [2.18]	.210 [5.33]	1.62 [41.15]	.0215 [.546]
	Minimum	.070 [1.78]	.190 [4.83]	1.38 [35.05]	.0185 [.470]
IM-2	Maximum	.105 [2.67]	.260 [6.60]	1.63 [41.40]	.0215 [.546]
	Minimum	.085 [2.16]	.240 [6.10]	1.25 [31.75]	.0185 [.470]
IM-4	Maximum	.165 [4.19]	.385 [9.78]	1.63 [41.40]	.027 [.686]
	Minimum	.145 [3.68]	.365 [9.27]	1.25 [31.75]	.023 [.584]
IM-6	Maximum	.200 [5.08]	.450 [11.43]	1.63 [41.40]	.027 [.686]
	Minimum	.180 [4.57]	.430 [10.92]	1.25 [31.75]	.023 [.584]
IM-8	Maximum	.225 [5.72]	.570 [14.48]	1.63 [41.40]	.030 [.762]
	Minimum	.205 [5.21]	.550 [13.97]	1.25 [31.75]	.026 [.660]
IM-9	Maximum	.260 [6.60]	.570 [14.48]	1.63 [41.40]	.027 [.686]
	Minimum	.240 [6.10]	.550 [13.97]	1.25 [31.75]	.023 [.584]
IM-10	Maximum	.250 [6.35]	.750 [19.05]	1.63 [41.40]	.034 [.864]
	Minimum	.230 [5.84]	.730 [18.54]	1.25 [31.75]	.030 [.762]

FEATURES

- Wide inductance range in small package.
- Flame retardant coating.
- Precision performance, excellent reliability, sturdy construction.
- Epoxy molded construction provides superior moisture protection.

ELECTRICAL SPECIFICATIONS

Inductance Tolerance: ± 1%, ± 3%, ± 5%, ± 10%, ± 20%. Other tolerances available on request.

Insulation Resistance: 1000 Megohm minimum per MIL-STD-202, Method 302, Test Condition B.

Dielectric Strength: Per MIL-STD-202, Method 301: 1000 VAC for IM-2, -4, -6, -8, -9 and -10. 200 VAC for IM-1.

MECHANICAL SPECIFICATIONS

Terminal Strength: Per MIL-STD-202, Method 211, Test Condition A: For IM-1, 3 pounds pull. For IM-2, -4, -6, -8, -9 and -10, 5 pounds pull and twist.

Weight: IM-1 = .25 gram maximum.
IM-2 = .30 gram maximum.
IM-4 = .65 gram maximum.
IM-6 = .95 gram maximum.
IM-8 = 1.5 gram maximum.
IM-9 = 2.0 gram maximum.
IM-10 = 2.5 gram maximum.

MATERIAL SPECIFICATIONS

Encapsulant: Epoxy.

Standard Terminals: IM-1 and IM-2, 24 AWG; IM-4, IM-6 and IM-9, 22 AWG; IM-8, 21 AWG; and IM-10, 20 AWG, tinned copper.

TEST EQUIPMENT*

- H/P 4342A Q-Meter.
- Measurements Corporation Megacycle Meter, Model 59.
- Wheatstone bridge.

*Test procedures per MIL-C-15305.

ENVIRONMENTAL PERFORMANCE

TEST	CONDITIONS	SPECIFICATIONS
Barometric Pressure	Test Condition C	MIL-STD-202, Method 105
Thermal Shock	Test Condition A-1	MIL-STD-202, Method 107
Flammability	—	MIL-STD-202, Method 111
Overload	—	MIL-C-15305
Low Temperature Storage	—	MIL-C-15305
Resistance to Soldering Heat	Test Condition A	MIL-STD-202, Method 210
Resistance to Solvents	—	MIL-STD-202, Method 215

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (µH)	TOL.	MIL. STD.	MIL. TYPE	Q MIN.	TEST FREQ. L & Q (MHz)	SELF- RESONANT* FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED** DC CURRENT (mA)	
IM-1	.10	± 10%	—	—	35	25.0	680.0	.13	895	PHENOLIC CORE
IM-1	.12	± 10%	—	—	35	25.0	650.0	.15	835	
IM-1	.15	± 10%	—	—	35	25.0	560.0	.18	760	
IM-1	.18	± 10%	—	—	35	25.0	540.0	.21	705	
IM-1	.22	± 10%	—	—	30	25.0	500.0	.25	645	
IM-1	.27	± 10%	—	—	30	25.0	440.0	.38	525	
IM-1	.33	± 10%	—	—	25	25.0	410.0	.49	460	
IM-1	.39	± 10%	—	—	25	25.0	380.0	.59	420	
IM-1	.47	± 10%	—	—	25	25.0	340.0	.62	410	
IM-1	.56	± 10%	—	—	40	25.0	250.0	.18	510	IRON CORE
IM-1	.68	± 10%	—	—	40	25.0	215.0	.20	485	
IM-1	.82	± 10%	—	—	40	25.0	200.0	.22	465	
IM-1	1.0	± 10%	—	—	40	25.0	190.0	.25	435	
IM-1	1.2	± 10%	—	—	35	7.9	170.0	.28	410	
IM-1	1.5	± 10%	—	—	40	7.9	150.0	.49	310	
IM-1	1.8	± 10%	—	—	40	7.9	135.0	.56	290	
IM-1	2.2	± 10%	—	—	45	7.9	130.0	.72	257	
IM-1	2.7	± 10%	—	—	45	7.9	110.0	.85	236	
IM-1	3.3	± 10%	—	—	45	7.9	100.0	1.2	198	
IM-1	3.9	± 10%	—	—	50	7.9	95.0	1.5	178	
IM-1	4.7	± 10%	—	—	55	7.9	88.0	2.1	150	
IM-1	5.6	± 10%	—	—	55	7.9	78.0	2.8	130	
IM-1	6.8	± 10%	—	—	55	7.9	69.0	3.2	122	
IM-1	8.2	± 10%	—	—	45	7.9	52.0	4.4	104	
IM-1	10.0	± 10%	—	—	45	7.9	47.0	5.2	95	
IM-1	12.0	± 10%	—	—	40	2.5	31.0	3.0	126	
IM-1	15.0	± 10%	—	—	40	2.5	26.0	3.4	118	
IM-1	18.0	± 10%	—	—	40	2.5	23.0	3.8	112	
IM-1	22.0	± 10%	—	—	45	2.5	20.0	4.3	105	
IM-1	27.0	± 10%	—	—	45	2.5	17.0	4.7	100	
IM-1	33.0	± 10%	—	—	45	2.5	15.0	5.2	95	
IM-1	39.0	± 10%	—	—	45	2.5	13.5	6.8	83.5	
IM-1	47.0	± 10%	—	—	45	2.5	12.5	8.2	76	
IM-1	56.0	± 10%	—	—	45	2.5	11.5	10.0	69	
IM-1	68.0	± 10%	—	—	45	2.5	10.5	11.5	64	
IM-1	82.0	± 10%	—	—	45	2.5	10.0	16.0	54.5	
IM-1	100.0	± 10%	—	—	45	2.5	9.5	17.5	52	
IM-2	.022	± 20%	—	—	50	50.0	900.0	.025	2400	PHENOLIC CORE
IM-2	.027	± 10%	—	—	40	25.0	875.0	.03	2200	
IM-2	.033	± 10%	—	—	40	25.0	850.0	.035	2000	
IM-2	.039	± 10%	—	—	40	25.0	825.0	.04	1900	
IM-2	.047	± 10%	—	—	40	25.0	800.0	.045	1800	
IM-2	.056	± 10%	—	—	40	25.0	775.0	.05	1700	
IM-2	.068	± 10%	—	—	40	25.0	750.0	.06	1500	
IM-2	.082	± 10%	—	—	40	25.0	725.0	.07	1400	
			MS75083	LT4K						PHENOLIC CORE
IM-2	.10	± 10%	-1	339	40	25.0	680.0	.08	1350	
IM-2	.12	± 10%	-2	340	40	25.0	640.0	.09	1270	
IM-2	.15	± 10%	-3	341	38	25.0	600.0	.10	1200	
IM-2	.18	± 10%	-4	342	35	25.0	550.0	.12	1105	
IM-2	.22	± 10%	-5	343	33	25.0	510.0	.14	1025	
IM-2	.27	± 10%	-6	344	33	25.0	430.0	.16	960	
IM-2	.33	± 10%	-7	345	30	25.0	410.0	.22	815	
IM-2	.39	± 10%	-8	346	30	25.0	365.0	.30	700	
IM-2	.47	± 10%	-9	347	30	25.0	330.0	.35	650	
IM-2	.56	± 10%	-10	348	30	25.0	300.0	.50	545	
IM-2	.68	± 10%	-11	349	28	25.0	275.0	.60	495	
IM-2	.82	± 10%	-12	350	28	25.0	250.0	.85	415	
IM-2	1.0	± 10%	-13	351	25	25.0	230.0	1.0	385	
			MS75084	LT10K						IRON CORE
IM-2	1.2	± 10%	-01	061	25	7.9	150.0	.18	590	
IM-2	1.5	± 10%	-02	062	28	7.9	140.0	.22	535	
IM-2	1.8	± 10%	-03	063	30	7.9	125.0	.30	455	
IM-2	2.2	± 10%	-04	064	30	7.9	115.0	.40	395	
IM-2	2.7	± 10%	-05	065	37	7.9	100.0	.55	355	
IM-2	3.3	± 10%	-06	066	45	7.9	90.0	.85	270	
IM-2	3.9	± 10%	-07	067	45	7.9	80.0	1.0	250	
IM-2	4.7	± 10%	-08	068	45	7.9	75.0	1.2	230	

*Measured with full length lead. **Rated DC current based on maximum temperature rise as shown in table.

NOTE: Listing of Military Standard does not imply qualification. Contact factory for latest government QPL information.
NOTE: Products with dashes instead of Military Standard value and type designations are not qualified.

STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (μH)	TOL.	MIL. STD.	MIL. TYPE	Q MIN.	TEST FREQ. L & Q (MHz)	SELF-RESONANT* FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED** DC CURRENT (mA)	
			MS75084	LT10K						
IM-2	5.6	± 10%	-09	069	50	7.9	65.0	1.8	185	
IM-2	6.8	± 10%	-10	070	50	7.9	60.0	2.0	175	
IM-2	8.2	± 10%	-11	071	55	7.9	55.0	2.7	155	
IM-2	10.0	± 10%	-12	072	55	7.9	50.0	3.7	130	
IM-2	12.0	± 10%	-13	073	45	2.5	40.0	2.7	155	
IM-2	15.0	± 10%	-14	074	40	2.5	35.0	2.8	150	
IM-2	18.0	± 10%	-15	075	50	2.5	30.0	3.1	145	
IM-2	22.0	± 10%	-16	076	50	2.5	25.0	3.3	140	
IM-2	27.0	± 10%	-17	077	50	2.5	20.0	3.5	135	IRON CORE
			MS75085	LT10K						
IM-2	33.0	± 10%	-1	078	45	2.5	24.0	3.4	130	
IM-2	39.0	± 10%	-2	079	45	2.5	22.0	3.6	125	
IM-2	47.0	± 10%	-3	080	45	2.5	20.0	4.5	110	
IM-2	56.0	± 10%	-4	081	45	2.5	18.0	5.7	100	
IM-2	68.0	± 10%	-5	082	50	2.5	15.0	6.7	92	
IM-2	82.0	± 10%	-6	083	50	2.5	14.0	7.3	88	
IM-2	100.0	± 10%	-7	084	50	2.5	13.0	8.0	84	
IM-2	120.0	± 10%	-8	085	30	.79	12.0	13.0	66	
IM-2	150.0	± 10%	-9	086	30	.79	11.0	15.0	61	
IM-2	180.0	± 10%	-10	087	30	.79	10.0	17.0	57	
IM-2	220.0	± 10%	-11	088	30	.79	9.0	21.0	52	
IM-2	270.0	± 10%	-12	089	30	.79	8.0	25.0	47	
IM-2	330.0	± 10%	-13	090	30	.79	7.0	28.0	45	
IM-2	390.0	± 10%	-14	091	30	.79	6.5	35.0	40	
IM-2	470.0	± 10%	-15	092	30	.79	6.0	42.0	36	
IM-2	560.0	± 10%	-16	093	30	.79	5.0	46.0	35	
IM-2	680.0	± 10%	-17	094	30	.79	4.0	60.0	30	
IM-2	820.0	± 10%	-18	095	30	.79	3.8	65.0	29	
IM-2	1000.0	± 10%	-19	096	30	.79	3.4	72.0	28	FERRITE CORE
			MS18130	LT4K						
IM-4	.15	± 20%	-1	074	50	25.0	525.0	.03	2450	
IM-4	.22	± 20%	-2	075	50	25.0	450.0	.055	1810	
IM-4	.33	± 20%	-3	076	45	25.0	360.0	.09	1400	
IM-4	.47	± 20%	-4	077	45	25.0	310.0	.12	1225	
IM-4	.56	± 10%	-5	078	50	25.0	280.0	.135	1150	
IM-4	.68	± 10%	-6	079	50	25.0	250.0	.15	1100	
IM-4	.82	± 10%	-7	080	50	25.0	220.0	.22	900	
IM-4	1.0	± 10%	-8	081	50	25.0	200.0	.29	785	
IM-4	1.2	± 10%	-9	082	33	7.9	180.0	.42	650	
IM-4	1.5	± 10%	-10	083	33	7.9	160.0	.50	600	
IM-4	1.8	± 10%	-11	084	33	7.9	150.0	.65	525	
IM-4	2.2	± 10%	-12	085	33	7.9	135.0	.95	435	
IM-4	2.7	± 10%	-13	086	33	7.9	120.0	1.20	385	
IM-4	3.3	± 10%	-14	087	33	7.9	110.0	2.0	300	
IM-4	3.9	± 10%	-15	088	33	7.9	100.0	2.30	280	
IM-4	4.7	± 10%	-16	089	33	7.9	90.0	2.60	260	PHENOLIC CORE
			MS14046	LT10K						
IM-4	5.6	± 10%	-1	128	45	7.9	60.0	.32	495	
IM-4	6.8	± 10%	-2	129	50	7.9	55.0	.50	395	
IM-4	8.2	± 10%	-3	130	50	7.9	50.0	.60	360	
IM-4	10.0	± 10%	-4	131	55	7.9	45.0	.90	290	
IM-4	12.0	± 10%	-5	132	65	2.5	42.0	1.10	265	
IM-4	15.0	± 10%	-6	133	65	2.5	40.0	1.40	240	
IM-4	18.0	± 10%	-7	134	75	2.5	34.0	2.25	185	
IM-4	22.0	± 10%	-8	135	75	2.5	30.0	2.50	175	
IM-4	27.0	± 10%	-9	136	60	2.5	25.0	2.60	170	
IM-4	33.0	± 10%	-10	137	65	2.5	19.0	3.0	165	IRON CORE

*Measured with full length lead. **Rated DC current based on maximum temperature rise as shown in table.

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STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (μH)	TOL.	MIL. STD.	MIL. TYPE	Q MIN.	TEST FREQ. L & Q (MHz)	SELF-RESONANT* FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED** DC CURRENT (mA)	
			MS90538	LT10K						
IM-4	36.0	± 5%	-1	001	60	2.5	15.5	2.50	180	
IM-4	39.0	± 5%	-2	002	60	2.5	14.5	2.60	176	
IM-4	43.0	± 5%	-3	003	60	2.5	13.7	2.70	172	
IM-4	47.0	± 5%	-4	004	55	2.5	13.0	2.75	170	
IM-4	51.0	± 5%	-5	005	55	2.5	12.7	2.85	167	
IM-4	56.0	± 5%	-6	006	55	2.5	12.0	3.0	164	
IM-4	62.0	± 5%	-7	007	55	2.5	11.5	3.15	160	
IM-4	68.0	± 5%	-8	008	55	2.5	11.0	3.30	156	
IM-4	75.0	± 5%	-9	009	55	2.5	10.5	3.70	147	
IM-4	82.0	± 5%	-10	010	50	2.5	10.3	3.90	143	
IM-4	91.0	± 5%	-11	011	50	2.5	10.0	4.30	136	
IM-4	100.0	± 5%	-12	012	50	2.5	9.5	4.50	133	
IM-4	110.0	± 5%	-13	013	60	.79	8.9	4.90	128	
IM-4	120.0	± 5%	-14	014	65	.79	8.7	5.20	124	
IM-4	130.0	± 5%	-15	015	65	.79	8.5	5.45	121	
IM-4	150.0	± 5%	-16	016	65	.79	8.0	6.05	114	
IM-4	160.0	± 5%	-17	017	65	.79	7.5	6.40	111	
IM-4	180.0	± 5%	-18	018	65	.79	7.0	6.75	108	
IM-4	200.0	± 5%	-19	019	65	.79	6.5	7.10	106	
IM-4	220.0	± 5%	-20	020	65	.79	6.2	7.45	103	
IM-4	240.0	± 5%	-21	021	65	.79	5.9	7.80	101	
IM-4	270.0	± 5%	—	—	65	.79	5.7	11.0	129	
IM-4	300.0	± 5%	—	—	65	.79	5.4	11.5	125	
IM-4	330.0	± 5%	—	—	65	.79	5.1	12.0	123	
IM-4	360.0	± 5%	—	—	65	.79	4.8	15.5	108	
IM-4	390.0	± 5%	—	—	65	.79	4.5	16.3	105	
IM-4	430.0	± 5%	—	—	65	.79	4.2	17.1	102	
IM-4	470.0	± 5%	—	—	65	.79	3.9	17.9	100	
IM-4	510.0	± 5%	—	—	65	.79	3.7	18.8	98	
IM-4	560.0	± 5%	—	—	65	.79	3.5	24.7	85	
IM-4	620.0	± 5%	—	—	65	.79	3.3	25.9	83	
IM-4	680.0	± 5%	—	—	55	.79	3.1	27.2	81	
IM-4	750.0	± 5%	—	—	55	.79	2.9	28.6	79	
IM-4	820.0	± 5%	—	—	55	.79	2.7	30.0	77	
IM-4	910.0	± 5%	—	—	55	.79	2.5	31.5	76	
IM-4	1000.0	± 5%	—	—	55	.79	2.3	33.1	74	
IM-4	1100.0	± 5%	—	—	30	.25	2.1	43.5	64	
IM-4	1200.0	± 5%	—	—	30	.25	2.0	45.7	63	
IM-4	1300.0	± 5%	—	—	30	.25	1.9	49.0	61	
IM-4	1500.0	± 5%	—	—	30	.25	1.8	52.5	59	
IM-4	1600.0	± 5%	—	—	30	.25	1.7	54.0	58	
IM-4	1800.0	± 5%	—	—	30	.25	1.6	56.7	56	IRON CORE
			MS75008	LT4K	(Not QPL'd)					
IM-6	.10	± 20%	—	—	55	25.0	510.0	.020	3600	
IM-6	.12	± 20%	—	—	55	25.0	510.0	.025	3300	
IM-6	.15	± 20%	-21	027	55	25.0	510.0	.030	3000	
IM-6	.18	± 20%	—	—	55	25.0	450.0	.030	2900	
IM-6	.22	± 20%	-22	028	50	25.0	415.0	.035	2800	
IM-6	.27	± 20%	—	—	50	25.0	380.0	.050	2400	
IM-6	.33	± 20%	-23	029	50	25.0	350.0	.065	2000	
IM-6	.39	± 20%	—	—	50	25.0	320.0	.080	1800	
IM-6	.47	± 20%	-24	030	50	25.0	300.0	.085	1700	
IM-6	.56	± 10%	-25	031	50	25.0	270.0	.125	1450	
IM-6	.68	± 10%	-26	032	45	25.0	250.0	.150	1300	
IM-6	.82	± 10%	-27	033	40	25.0	210.0	.205	1100	
IM-6	1.0	± 10%	-28	034	40	25.0	200.0	.290	930	
IM-6	1.2	± 10%	-29	035	30	7.9	180.0	.400	785	
IM-6	1.5	± 10%	-30	036	30	7.9	170.0	.485	700	
IM-6	1.8	± 10%	-31	037	30	7.9	150.0	.740	580	
IM-6	2.2	± 10%	-32	038	30	7.9	140.0	.970	505	
IM-6	2.7	± 10%	-33	039	30	7.9	120.0	1.20	460	PHENOLIC CORE

*Measured with full length lead. **Rated DC current based on maximum temperature rise as shown in table.

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STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (μH)	TOL.	MIL. STD.	MIL. TYPE	Q MIN.	TEST FREQ. L & Q (MHz)	SELF-RESONANT* FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED** DC CURRENT (mA)	
			MS75101	LT10K		LT10K				
IM-6	3.3	± 10%	-01	169	30	7.9	70.0	.140	990	
IM-6	3.9	± 10%	-02	170	30	7.9	65.0	.155	870	
IM-6	4.7	± 10%	-03	171	30	7.9	60.0	.210	745	
IM-6	5.6	± 10%	-04	172	30	7.9	50.0	.280	645	
IM-6	6.8	± 10%	-05	173	30	7.9	50.0	.375	560	
IM-6	8.2	± 10%	-06	174	30	7.9	48.0	.440	540	
IM-6	10.0	± 10%	-07	175	30	7.9	42.0	.605	440	
IM-6	12.0	± 10%	-08	176	50	2.5	36.0	1.05	370	
IM-6	15.0	± 10%	-09	177	55	2.5	30.0	1.20	310	
IM-6	18.0	± 10%	-10	178	60	2.5	30.0	1.95	255	
IM-6	22.0	± 10%	-11	179	60	2.5	24.0	2.20	240	
IM-6	27.0	± 10%	-12	180	65	2.5	22.0	2.75	205	IRON CORE
IM-6	33.0	± 10%	—	—	75	2.5	20.0	3.5	185	
IM-6	39.0	± 10%	—	—	75	2.5	18.0	3.8	176	
IM-6	47.0	± 10%	—	—	75	2.5	16.0	4.0	170	
IM-6	56.0	± 10%	—	—	75	2.5	15.0	4.4	164	
IM-6	68.0	± 10%	—	—	75	2.5	12.0	4.7	156	
IM-6	82.0	± 10%	—	—	75	2.5	10.0	5.3	143	
IM-6	100.0	± 10%	—	—	65	2.5	8.0	6.0	133	
IM-6	120.0	± 10%	—	—	65	.79	6.0	5.0	124	
IM-6	150.0	± 10%	—	—	65	.79	5.4	5.8	118	
IM-6	180.0	± 10%	—	—	65	.79	5.0	6.6	114	
IM-6	220.0	± 10%	—	—	65	.79	4.7	7.4	112	
			MS90539	LT10K	(Not QPL'd)					
IM-6	270.0	± 5%	-01	022	65	.79	5.6	8.2	110	
IM-6	300.0	± 5%	-02	023	65	.79	5.3	8.7	107	
IM-6	330.0	± 5%	-03	024	65	.79	5.0	9.1	105	
IM-6	360.0	± 5%	-04	025	65	.79	4.7	9.6	102	
IM-6	390.0	± 5%	-05	026	65	.79	4.5	10.0	100	
IM-6	430.0	± 5%	-06	027	65	.79	4.3	10.6	97	
IM-6	470.0	± 5%	-07	028	65	.79	4.0	11.1	95	
IM-6	510.0	± 5%	-08	029	65	.79	3.8	11.6	93	
IM-6	560.0	± 5%	-09	030	65	.79	3.6	12.3	91	IRON CORE
IM-6	620.0	± 5%	-10	031	60	.79	3.5	13.0	88	
IM-6	680.0	± 5%	-11	032	60	.79	3.4	13.7	85	
IM-6	750.0	± 5%	-12	033	60	.79	3.3	14.4	83	
IM-6	820.0	± 5%	-13	034	60	.79	3.1	15.1	81	
IM-6	910.0	± 5%	-14	035	60	.79	2.9	15.8	79	
IM-6	1000.0	± 5%	-15	036	60	.79	2.8	16.5	78	
			MS90540	LT10K	(Not QPL'd)					
IM-8	1100.0	± 5%	-01	037	60	.25	2.8	21.0	78	
IM-8	1200.0	± 5%	-02	038	60	.25	2.7	22.0	76	
IM-8	1300.0	± 5%	-03	039	60	.25	2.6	23.0	75	
IM-8	1500.0	± 5%	-04	040	65	.25	2.4	25.0	72	
IM-8	1600.0	± 5%	-05	041	65	.25	2.3	26.0	70	
IM-8	1800.0	± 5%	-06	042	65	.25	2.2	28.0	68	
IM-8	2000.0	± 5%	-07	043	65	.25	2.1	29.0	67	
IM-8	2200.0	± 5%	-08	044	70	.25	2.0	30.0	66	IRON CORE
IM-8	2400.0	± 5%	-09	045	70	.25	1.9	31.0	64	
IM-8	2700.0	± 5%	-10	046	70	.25	1.8	33.0	62	
IM-8	3000.0	± 5%	-11	047	70	.25	1.7	35.0	61	
IM-8	3300.0	± 5%	-12	048	70	.25	1.6	38.0	58	
IM-8	3600.0	± 5%	-13	049	70	.25	1.5	40.0	57	

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STANDARD ELECTRICAL SPECIFICATIONS

MODEL	IND. (µH)	TOL.	MIL. STD.	MIL. TYPE	Q MIN.	TEST FREQ. L & Q (MHz)	SELF-RESONANT* FREQ. MIN. (MHz)	DCR MAX. (Ohms)	RATED** DC CURRENT (mA)	
			MS14047	LT10K	(Not QPL'd)					
IM-9	68.0	± 10%	-01	138	70	2.5	13.0	3.3	168	IRON CORE
IM-9	82.0	± 10%	-02	139	65	2.5	11.7	3.5	162	
IM-9	100.0	± 10%	-03	140	65	2.5	10.7	3.8	155	
IM-9	120.0	± 10%	-04	141	75	.79	9.3	4.7	142	
IM-9	150.0	± 10%	-05	142	75	.79	8.3	5.3	132	
			MS90541	LT10K	(Not QPL'd)					
IM-10	3900.0	± 5%	-01	050	80	.25	1.45	44.0	61	
IM-10	4300.0	± 5%	-02	051	80	.25	1.40	46.0	59	
IM-10	4700.0	± 5%	-03	052	80	.25	1.35	48.0	58	
IM-10	5000.0	± 5%	-04	053	80	.25	1.30	50.0	57	IRON CORE
IM-10	5600.0	± 5%	-05	054	80	.25	1.25	53.0	56	
IM-10	6200.0	± 5%	-06	055	80	.25	1.20	56.0	54	
IM-10	6800.0	± 5%	-07	056	80	.25	1.15	59.0	52	
IM-10	7500.0	± 5%	-08	057	80	.25	1.10	62.0	51	
IM-10	8200.0	± 5%	-09	058	80	.25	1.05	65.0	50	
IM-10	9100.0	± 5%	-10	059	80	.25	1.0	68.0	49	
IM-10	10000.0	± 5%	-11	060	80	.25	.95	72.0	47	

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MAXIMUM TEMPERATURE RISE

		OPERATING TEMPERATURE RANGE
IM-1	.10µH to .47µH = 35°C at + 90°C ambient .56µH to 1000µH = 15°C at + 90°C ambient	- 55°C to + 125°C - 55°C to + 105°C
IM-2	.1µH to 1.0µH = 35°C at + 90°C ambient 1.2µH to 27µH = 15°C at + 90°C ambient 33µH to 1000µH = 15°C at + 90°C ambient	- 55°C to + 125°C - 55°C to + 105°C - 55°C to + 105°C
IM-4	.15µH to 4.7µH = 35°C at + 90°C ambient 5.6µH to 33µH = 15°C at + 90°C ambient 36µH to 240µH = 15°C at + 90°C ambient 270µH to 1800µH = 35°C at + 90°C ambient	- 55°C to + 125°C - 55°C to + 105°C - 55°C to + 105°C - 55°C to + 125°C
IM-6	.1µH to 2.7µH = 35°C at + 90°C ambient 3.3µH to 1000µH = 15°C at + 90°C ambient	- 55°C to + 125°C - 55°C to + 105°C
IM-8, IM-9, IM-10	= 15°C at + 90°C ambient	- 55°C to + 105°C

HOW TO ORDER

IM-2	**10µH**	**± 10%**
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE

HOW TO ORDER - MILITARY PART NUMBER

MS75084	**- 12**	OR	**LT**	**10**	**K**	**072**
MILITARY STANDARD	INDUCTANCE VALUE		TYPE	GRADE AND CLASS	FAMILY	ID NUMBER