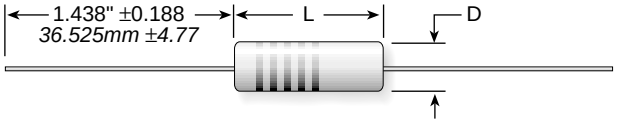
H & J Series

R. F. Molded Chokes



(Color coded in accordance with MIL-C-15305)

Series	Construction	Inductance	Style	Grade/ Class	Max. oper. temp.	Max temp. rise	Ambient temp.	Dielectric withstanding voltage (sea level)	Dielectric withstanding voltage (reduced pressure)	Terminal pull	Altitude	Dimensions (in. / *mm*) Length	Dimensions (in. / *mm*) Diameter	AWG
HM	**Phenolic**	0.10–0.47 µH	LT4	1/B	125°C	35°C	90°C	1000VRMS	200VRMS	3 lbs.	70,000 ft.	0.200 ± 0.010	0.078 ± 0.008	26
	Powd. iron	0.56–100 µH	LT10	1/A	105°C	15°C	"	"	"	"	"	*5.08 ± 0.25*	*1.98 ± 0.20*	
	Ferrite	120–270 µH	LT10	1/A	105°C	15°C	"	"	"	"	"			
JM	**Phenolic**	0.10–1.0 µH	LT4	1/B	125°C	35°C	90°C	1000VRMS	300VRMS	5 lbs.	70,000 ft.	0.250 ± 0.010	0.095 ± 0.010	24
	Powd. iron	1.2–27 µH	LT10	1/A	105°C	15°C	"	"	200VRMS	"	"	*6.350 ± 0.25*	*2.413 m ± 0.25*	
	Ferrite	33–1000 µH	LT10	1/A	105°C	15°C	"	"	200VRMS	"	"			

STOCK PART NUMBERS

Part number	Inductance** (µH)	Q min.	Test frequency (L & Q, MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC current (mA)
HM100K	0.10	35	25	680	.13	895
HM120K	0.12	35	25	650	.15	835
HM150K	0.15	35	25	560	.18	760
HM180K	0.18	35	25	540	.21	705
HM220K	0.22	30	25	500	.25	645
HM270K	0.27	30	25	440	.38	525
HM330K	0.33	25	25	410	.49	460
HM390K	0.39	25	25	380	.59	420
HM470K	0.47	25	25	340	.62	410
HM560K	0.56	40	25	250	.18	510
HM680K	0.68	40	25	215	.20	485
HM820K	0.82	40	25	200	.22	465
HM101K	1.00	40	25	190	.25	435
HM121K	1.2	35	7.9	170	.28	410
HM151K	1.5	40	7.9	150	.49	310
HM181K	1.8	40	7.9	135	.56	290
HM221K	2.2	45	7.9	130	.72	257
HM271K	2.7	45	7.9	110	.85	236
HM331K	3.3	45	7.9	100	1.2	198
HM391K	3.9	50	7.9	95	1.5	178
HM471K	4.7	55	7.9	88	2.1	150
HM561K	5.6	55	7.9	78	2.8	130
HM681K	6.8	55	7.9	69	3.2	122
HM821K	8.2	45	7.9	52	4.4	104
HM102K	10.0	45	7.9	47	5.2	95
HM122K	12.0	40	2.5	31	3.0	126
HM152K	15.0	40	2.5	26	3.4	118
HM182K	18.0	40	2.5	23	3.8	112
HM222K	22.	45	2.5	20	4.3	105
HM272K	27.	45	2.5	17	4.7	100
HM332K	33.	45	2.5	15	5.2	95
HM392K	39.	45	2.5	13.5	6.8	83.5
HM472K	47.	45	2.5	12.5	8.2	76
HM562K	56.	45	2.5	11.5	10.0	69
HM682K	68.	45	2.5	10.5	11.5	64
HM822K	82.	45	2.5	10.0	16.0	54.5
HM103K	100.	45	2.5	9.5	17.5	52
HM123K	120.	35	.79	8.9	16.0	54.5
HM153K	150.	35	.79	7.9	18.0	51
HM183K	180.	35	.79	7.5	20.0	49
HM223K	220.	35	.79	7.1	26.5	42.5
HM273K	270	35	.79	6.6	30.5	39

* For example, the MS designation for JM100K is 75083-1

** Letter suffix on part number denotes tolerance: J=5%, K=10%

Part number	MS part designation*	Inductance** (µH)	Q min.	Test frequency (L & Q, MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC current (mA)
	7508–						
JM100K	–3–1	0.10	40	25	680	0.08	1350
JM110J		0.11	40	25	660	0.085	1309
JM120K	–3–2	0.12	40	25	640	0.09	1270
JM130J		0.13	38	25	625	0.095	1239
JM150K	–3–3	0.15	38	25	600	0.10	1200
JM160J		0.16	35	25	580	0.11	1151
JM180K	–3–4	0.18	35	25	550	0.12	1105
JM200J		0.20	33	25	530	0.13	1059
JM220K	–3–5	0.22	33	25	510	0.14	1025
JM240J		0.24	33	25	475	0.15	986
JM270K	–3–6	0.27	33	25	430	0.16	960
JM300J		0.30	30	25	420	0.19	876
JM330K	–3–7	0.33	30	25	410	0.22	815
JM360J		0.36	30	25	385	0.26	749
JM390K	–3–8	0.39	30	25	365	0.30	700
JM430J		0.43	30	25	345	0.325	670
JM470K	–3–9	0.47	30	25	330	0.35	650
JM510J		0.51	30	25	310	0.42	589
JM560K	–3–10	0.56	30	25	300	0.50	545
JM620J		0.62	28	25	290	0.55	515
JM680K	–3–11	0.68	28	25	275	0.60	495
JM750J		0.75	28	25	265	0.71	453
JM820K	–3–12	0.82	28	25	250	0.85	415
JM910J		0.91	25	25	240	0.925	397
JM101K	–3–13	1.00	25	25	230	1.00	385
JM111J		1.1	25	7.9	165	0.17	607
JM121K	–4–1	1.2	25	7.9	150	0.18	590
JM131J		1.3	28	7.9	145	0.20	560
JM151K	–4–2	1.5	28	7.9	140	0.22	535
JM161J		1.6	30	7.9	135	0.25	501
JM181K	–4–3	1.8	30	7.9	125	0.30	455
JM201J		2.0	30	7.9	120	0.35	425
JM221K	–4–4	2.2	30	7.9	115	0.40	395
JM241J		2.4	37	7.9	109	0.46	380
JM271K	–4–5	2.7	37	7.9	100	0.55	355
JM301J		3.0	45	7.9	95	0.70	299
JM331K	–4–6	3.3	45	7.9	90	0.85	270
JM361J		3.6	45	7.9	85	0.925	260
JM391K	–4–7	3.9	45	7.9	80	1.00	250
JM431J		4.3	45	7.9	77	1.10	240
JM471K	–4–8	4.7	45	7.9	75	1.20	230
JM511J		5.1	50	7.9	69	1.47	216
JM561K	–4–9	5.6	50	7.9	65	1.80	185
JM621J		6.2	50	7.9	62	1.90	180
JM681K	–4–10	6.8	50	7.9	60	2.0	180
JM751J		7.5	50	7.9	57	2.35	165
JM821K	–4–11	8.2	55	7.9	55	2.70	155
JM911J		9.1	55	7.9	52	3.00	145

Part number	MS part designation*	Inductance** (µH)	Q min.	Test frequency (L & Q, MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC current (mA)
	7508–						
JM102K	–4–12	10.	55	7.9	50	3.70	130
JM112J		11.	45	2.5	45	2.60	156
JM122K	–4–13	12.	45	2.5	40	2.70	155
JM132J		13.	45	2.5	38	2.80	150
JM152K	–4–14	15.	45	2.5	35	2.80	150
JM162J		16.	45	2.5	33	2.90	147
JM182K	–4–15	18.	50	2.5	30	3.10	145
JM202J		20.	50	2.5	27.5	3.20	142
JM222K	–4–16	22.	50	2.5	25	3.30	140
JM242J		24.	50	2.5	23	3.40	137
JM272K	–4–17	27.	50	2.5	20	3.50	135
JM302J		30.	45	2.5	22	3.30	132
JM332K	–5–1	33.	45	2.5	24	3.40	130
JM362J		36.	45	2.5	23	3.50	127
JM392K	–5–2	39.	45	2.5	22	3.60	125
JM432J		43.	45	2.5	21	4.10	116
JM472K	–5–3	47.	45	2.5	20	4.50	110
JM512J		51.	45	2.5	19	5.00	105
JM562K	–5–4	56.	45	2.5	18	5.70	100
JM622J		62.	50	2.5	16.5	6.20	94
JM682K	–5–5	68.	50	2.5	15	6.70	92
JM752J		75.	50	2.5	14.5	7.0	89
JM822K	–5–6	82.	50	2.5	14	7.3	88
JM912J		91.	50	2.5	13.5	7.7	85
JM103K	–5–7	100.	50	2.5	13	8.0	84
JM113J		110.	30	0.79	12.5	11.0	71
JM123K	–5–8	120.	30	0.79	12	13	66
JM133J		130.	30	0.79	11.5	14	63
JM153K	–5–9	150.	30	0.79	11	15	61
JM163J		160.	30	0.79	10.5	16	59
JM183K	–5–10	180.	30	0.79	10	17	57
JM203J		200.	30	0.79	9.5	19	54
JM223K	–5–11	220.	30	0.79	9	21	52
JM243J		240.	30	0.79	8.5	23	49
JM273K	–5–12	270.	30	0.79	8	25	47
JM303J		300.	30	0.79	7.5	27	46
JM333K	–5–13	330.	30	0.79	7	28	45
JM363J		360.	30	0.79	6.75	32	41
JM393K	–5–14	390.	30	0.79	6.5	35	40
JM433J		430.	30	0.79	6.25	39	37
JM473K	–1–15	470.	30	0.79	6	42	36
JM513J		510.	30	0.79	5.5	44	35
JM563K	–5–16	560.	30	0.79	5	46	35
JM623J		620.	30	0.79	4.6	53	32
JM683K	–5–17	680.	30	0.79	4	60	30
JM753J		750.	30	0.79	4	63	29
JM823K	–5–18	820.	30	0.79	3.8	65	29
JM913J		910.	30	0.79	3.6	69	28
JM104K	–5–19	1000.	30	0.79	3.4	72	28