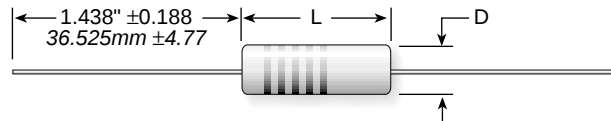


K, R, S, V & X Series

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) (reduced pressure)		Terminal pull	Altitude	Series	Dimensions (in. / mm) Length Diameter		AWG
K	Phenolic	0.15–4.7 µH	LT4	1/B	125°C	35°C	90°C	1000VRMS	200VRMS	5 lbs.	70,000 ft.	K	0.375 ± 0.010	0.156 ± 0.010	22
	Powd. iron	0.56–1000 µH	LT10	1/A	105°C	15°C	"	"	"	9.525 ± 0.25	3.962 ± 0.25				
R	Phenolic	0.15–2.7 µH	LT4	1/B	125°C	35°C	90°C	1000VRMS	200VRMS	5 lbs.	70,000 ft.	R	0.438 ± 0.010	0.188 ± 0.010	22
	Powd. iron	3.3–27 µH	LT10	1/A	105°C	15°C	"	"	"	11.125 ± 0.25	4.775 ± 0.25				
S, V & X		270– 10,000 µH	LT10	1/A	105°C	15°C	90°C	700VRMS	180VRMS	5 lbs.	70,000 ft.	S	0.440 ± 0.010	0.190 ± 0.010	22
													4.917 ± 0.25	4.826 ± 0.25	
												V	0.560 ± 0.010	0.215 ± 0.010	22
												14.224 ± 0.25	5.461 ± 0.25		
												X	0.740 ± 0.010	0.240 ± 0.010	20
												18.796 ± 0.25	6.096 ± 0.25		

STOCK PART NUMBERS

Part number	MS part designation*	Inductance* (µH)	Q min.	Test frequency (L & Q, MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC current (mA)	Part number	MS part designation*	Inductance* (µH)	Q min.	Test frequency (L & Q, MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC current (mA)	Part number	MS part designation*	Inductance* (µH)	Q min.	Test frequency (L & Q, MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC current (mA)
18130								90538								MS75101							
KM150M	1	0.15	50	25	525	0.03	2450	KM103J	12	100.0	50	2.5	9.5	4.50	133	RM122K	-8	12.00	50	2.5	36	1.05	370
KM220M	2	0.22	50	25	450	0.055	1900	KM113J	13	110.0	60	0.79	8.9	4.90	128	RM152K	-9	15.00	55	2.5	30	1.20	310
KM330M	3	0.33	45	25	360	0.09	1400	KM123J	14	120.0	65	0.79	8.7	5.20	124	RM182K	-10	18.00	60	2.5	30	1.95	255
KM470M	4	0.47	45	25	310	0.12	1225	KM133J	15	130.0	65	0.79	8.5	5.45	121	RM222K	-11	22.00	60	2.5	24	2.20	240
KM560K	5	0.56	50	25	280	0.135	1220	KM153J	16	150.0	65	0.79	8.0	6.05	114	RM272K	-12	27.00	65	2.5	22	2.75	205
KM680K	6	0.68	50	25	250	0.15	1100	KM163J	17	160.0	65	0.79	7.5	6.40	111	MS90539							
KM820K	7	0.82	50	25	220	0.22	900	KM183J	18	180.0	65	0.79	7.0	6.75	108	SM273J	-1	270	65	0.79	5.6	8.2	110
KM101K	8	1.00	50	25	200	0.29	830	KM203J	19	200.0	65	0.79	6.5	7.10	106	SM303J	-2	300	65	0.79	5.3	8.7	107
KM121K	9	1.20	33	7.9	180	0.42	650	KM223J	20	220.0	65	0.79	6.2	7.45	103	SM333J	-3	330	65	0.79	5.0	9.1	105
KM151K	10	1.50	33	7.9	160	0.50	600	KM243J	21	240.0	65	0.79	5.9	7.80	101	SM363J	-4	360	65	0.79	4.7	9.6	102
KM181K	11	1.80	33	7.9	150	0.65	525	KM273J		270.0	65	0.79	5.7	11.0	85	SM393J	-5	390	65	0.79	4.5	10.0	100
KM221K	12	2.20	33	7.9	135	0.95	435	KM303J		300.0	65	0.79	5.4	11.5	83	SM433J	-6	430	65	0.79	4.3	10.6	97
KM271K	13	2.70	33	7.9	120	1.20	385	KM333J		330.0	65	0.79	5.1	12.0	81	SM473J	-7	470	65	0.79	4.0	11.1	95
KM331K	14	3.30	33	7.9	110	2.00	300	KM363J		360.0	65	0.79	4.8	12.5	80	SM513J	-8	510	65	0.79	3.8	11.6	93
KM391K	15	3.90	33	7.9	100	2.30	280	KM393J		390.0	65	0.79	4.5	16.3	70	SM563J	-9	560	65	0.79	3.6	12.3	91
KM471K	16	4.70	33	7.9	90	2.60	260	KM433J		430.0	65	0.79	4.2	17.1	68	SM623J	-10	620	60	0.79	3.5	13.0	88
14046								KM473J		470.0	65	0.79	3.9	17.9	67	SM683J	-11	680	60	0.79	3.4	13.7	85
KM561K	1	5.60	45	7.9	60	0.32	495	KM513J		510.0	65	0.79	3.8	18.8	65	SM753J	-12	750	60	0.79	3.3	14.4	83
KM681K	2	6.80	50	7.9	55	0.50	395	KM563J		560.0	65	0.79	3.7	19.5	64	SM823J	-13	820	60	0.79	3.1	15.1	81
KM821K	3	8.20	50	7.9	50	0.60	360	KM623J		620.0	65	0.79	3.3	25.9	55	SM913J	-14	910	60	0.79	2.9	15.8	79
KM102K	4	10.00	55	7.9	45	0.90	290	KM683J		680.0	65	0.79	3.1	27.2	54	SM104J	-15	1000	60	0.79	2.8	16.5	78
KM122K	5	12.00	65	2.5	42	1.10	265	KM753J		750.0	65	0.79	2.9	28.6	53	MS90540							
KM152K	6	15.00	65	2.5	40	1.40	240	KM823J		820.0	65	0.79	2.7	30.0	52	VM114J	-1	1100	60	0.25	2.8	21.0	78
KM182K	7	18.00	75	2.5	34	2.25	185	KM913J		910.0	65	0.79	2.5	31.5	50	VM124J	-2	1200	60	0.25	2.7	22.0	76
KM222K	8	22.00	75	2.5	30	2.50	175	KM104J		1000.0	65	0.79	2.3	33.0	49	VM134J	-3	1300	60	0.25	2.6	23.0	75
KM272K	9	27.00	60	2.5	25	2.60	170	MS75008								VM154J	-4	1500	65	0.25	2.4	25.0	72
KM332K	10	33.00	65	2.5	19	3.00	165	RM150M	21	0.15	55	25.0	510	0.030	3000	VM164J	-5	1600	65	0.25	2.3	26.0	70
90538								RM220M	22	0.22	50	25.0	415	0.035	2800	VM184J	-6	1800	65	0.25	2.2	28.0	68
KM362J	1	36.00	60	2.5	15.5	2.50	180	RM330M	23	0.33	50	25.0	350	0.065	2000	VM204J	-7	2000	65	0.25	2.1	29.0	67
KM392J	2	39.00	60	2.5	14.5	2.60	176	RM470M	24	0.47	50	25.0	300	0.085	1700	VM224J	-8	2200	70	0.25	2.0	30.0	66
KM432J	3	43.00	60	2.5	13.7	2.70	172	RM560K	25	0.56	50	25.0	270	0.125	1450	VM244J	-9	2400	70	0.25	1.9	31.0	64
KM472J	4	47.00	55	2.5	13.0	2.75	170	RM680K	26	0.68	45	25.0	250	0.150	1300	VM274J	-10	2700	70	0.25	1.8	33.0	62
KM512J	5	51.00	55	2.5	12.7	2.85	167	RM820K	27	0.82	40	25.0	210	0.205	1100	VM304J	-11	3000	70	0.25	1.7	35.0	61
KM562J	6	56.00	55	2.5	12.0	3.00	164	RM101K	28	1.00	40	25.0	200	0.290	930	VM334J	-12	3300	70	0.25	1.6	38.0	58
KM622J	7	62.00	55	2.5	11.5	3.15	160	RM121K	29	1.20	30	7.9	180	0.400	785	VM364J	-13	3600	70	0.25	1.5	40.0	57
KM682J	8	68.00	55	2.5	11.0	3.30	156	RM151K	30	1.50	30	7.9	170	0.485	700	MS90541							
KM752J	9	75.00	55	2.5	10.5	3.70	147	RM181K	31	1.80	30	7.9	150	0.740	580	XM394J	-1	3900	80	0.25	1.45	44.0	61
KM822J	10	82.00	50	2.5	10.3	3.90	143	RM221K	32	2.20	30	7.9	140	0.970	505	XM434J	-2	4300	80	0.25	1.40	46.0	59
KM912J	11	91.00	50	2.5	10.0	4.3	136	RM271K	33	2.70	30	7.9	120	1.20	460	XM474J	-3	4700	80	0.25	1.35	48.0	58
MS75101								MS75101								XM504J	-4	5000	80	0.25	1.30	50.0	57
RM331K	1	3.30	30	7.9	70	0.140	990	RM331K	1	3.30	30	7.9	70	0.140	990	XM564J	-5	5600	80	0.25	1.25	53.0	56
RM391K	2	3.90	30	7.9	65	0.155	870	RM391K	2	3.90	30	7.9	65	0.155	870	XM624J	-6	6200	80	0.25	1.20	56.0	54
RM471K	3	4.70	30	7.9	60	0.210	745	RM471K	3	4.70	30	7.9	60	0.210	745	XM684J	-7	6800	80	0.25	1.15	59.0	52
RM561K	4	5.60	30	7.9	50	0.280	645	RM561K	4	5.60	30	7.9	50	0.280	645	XM754J	-8	7500	80	0.25	1.10	62.0	51
RM681K	5	6.80	30	7.9	50	0.375	560	RM681K	5	6.80	30	7.9	50	0.375	560	XM824J	-9	8200	80	0.25	1.05	65.0	50
RM821K	6	8.20	30	7.9	48	0.440	540	RM821K	6	8.20	30	7.9	48	0.440	540	XM914J	-10	9100	80	0.25	1.00	68.0	49
RM102K	7	10.00	30	7.9	42	0.605	440	RM102K	7	10.00	30	7.9	42	0.605	440	XM105J	-11	10000	80	0.25	0.95	72.0	47

* For example, the MS designation for KM150M is 18130-1

** Letter suffix on part number denotes tolerance: J=5%, K=10%, M=20%