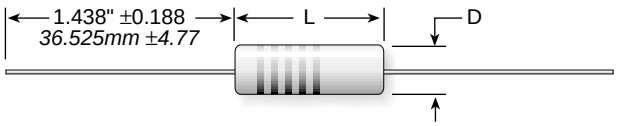
K, R, S, V & X Series

R. F. Molded Chokes

This product has been DISCONTINUED



(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
K	**Phenolic**	0.15–4.7 µH	LT4	1/B	125°C	35°C	90°C	1000VRMS	200VRMS	5 lbs.	70,000 ft.
	Powd. iron	0.56–1000 µH	LT10	1/A	105°C	15°C	"	"	"	"	"
R	**Phenolic**	0.15–2.7 µH	LT4	1/B	125°C	35°C	90°C	1000VRMS	200VRMS	5 lbs.	70,000 ft.
	Powd. iron	3.3–27 µH	LT10	1/A	105°C	15°C	"	"	"	"	"
S, V & X		270–10,000 µH	LT10	1/A	105°C	15°C	90°C	700VRMS	180VRMS	5 lbs.	70,000 ft.

Series	Dimensions (in. / *mm*) Length	Diameter	AWG
K	0.375 ± 0.010 *9.525 ± 0.25*	0.156 ± 0.010 *3.962 ± 0.25*	22
R	0.438 ± 0.010 *11.125 ± 0.25*	0.188 ±0.010 *4.775 ± 0.25*	22
S	0.440 ± 0.010 *4.917 ± 0.25*	0.190 ± 0.010 *4.826 ± 0.25*	22
V	0.560 ± 0.010 *14.224 ± 0.25*	0.215 ± 0.010 *5.461 ± 0.25*	22
X	0.740 ± 0.010 *18.796 ± 0.25*	0.240 ± 0.010 *6.096 ± 0.25*	20

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)
	18130–						
KM150M	-1	0.15	50	25	525	0.03	2450
KM220M	-2	0.22	50	25	450	0.055	1900
KM330M	-3	0.33	45	25	360	0.09	1400
KM470M	-4	0.47	45	25	310	0.12	1225
KM560K	-5	0.56	50	25	280	0.135	1220
KM680K	-6	0.68	50	25	250	0.15	1100
KM820K	-7	0.82	50	25	220	0.22	900
KM101K	-8	1.00	50	25	200	0.29	830
KM121K	-9	1.20	33	7.9	180	0.42	650
KM151K	-10	1.50	33	7.9	160	0.50	600
KM181K	-11	1.80	33	7.9	150	0.65	525
KM221K	-12	2.20	33	7.9	135	0.95	435
KM271K	-13	2.70	33	7.9	120	1.20	385
KM331K	-14	3.30	33	7.9	110	2.00	300
KM391K	-15	3.90	33	7.9	100	2.30	280
KM471K	-16	4.70	33	7.9	90	2.60	260
	14046–						
KM561K	-1	5.60	45	7.9	60	0.32	495
KM681K	-2	6.80	50	7.9	55	0.50	395
KM821K	-3	8.20	50	7.9	50	0.60	360
KM102K	-4	10.00	55	7.9	45	0.90	290
KM122K	-5	12.00	65	2.5	42	1.10	265
KM152K	-6	15.00	65	2.5	40	1.40	240
KM182K	-7	18.00	75	2.5	34	2.25	185
KM222K	-8	22.00	75	2.5	30	2.50	175
KM272K	-9	27.00	60	2.5	25	2.60	170
KM332K	-10	33.00	65	2.5	19	3.00	165
	90538–						
KM362J	-1	36.00	60	2.5	15.5	2.50	180
KM392J	-2	39.00	60	2.5	14.5	2.60	176
KM432J	-3	43.00	60	2.5	13.7	2.70	172
KM472J	-4	47.00	55	2.5	13.0	2.75	170
KM512J	-5	51.00	55	2.5	12.7	2.85	167
KM562J	-6	56.00	55	2.5	12.0	3.00	164
KM622J	-7	62.0	55	2.5	11.5	3.15	160
KM682J	-8	68.0	55	2.5	11.0	3.30	156
KM752J	-9	75.0	55	2.5	10.5	3.70	147
KM822J	-10	82.0	50	2.5	10.3	3.90	143
KM912J	-11	91.0	50	2.5	10.0	4.3	136

Part number	MS part designation*	Inductance* (µH)	Q min.	Test frequency (L & Q, MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC current (mA)
	90538–						
KM103J	-12	100.0	50	2.5	9.5	4.50	133
KM113J	-13	110.0	60	0.79	8.9	4.90	128
KM123J	-14	120.0	65	0.79	8.7	5.20	124
KM133J	-15	130.0	65	0.79	8.5	5.45	121
KM153J	-16	150.0	65	0.79	8.0	6.05	114
KM163J	-17	160.0	65	0.79	7.5	6.40	111
KM183J	-18	180.0	65	0.79	7.0	6.75	108
KM203J	-19	200.0	65	0.79	6.5	7.10	106
KM223J	-20	220.0	65	0.79	6.2	7.45	103
KM243J	-21	240.0	65	0.79	5.9	7.80	101
KM273J		270.0	65	0.79	5.7	11.0	85
KM303J		300.0	65	0.79	5.4	11.5	83
KM333J		330.0	65	0.79	5.1	12.0	81
KM363J		360.0	65	0.79	4.8	12.5	80
KM393J		390.0	65	0.79	4.5	16.3	70
KM433J		430.0	65	0.79	4.2	17.1	68
KM473J		470.0	65	0.79	3.9	17.9	67
KM513J		510.0	65	0.79	3.8	18.8	65
KM563J		560.0	65	0.79	3.7	19.5	64
KM623J		620.0	65	0.79	3.3	25.9	55
KM683J		680.0	65	0.79	3.1	27.2	54
KM753J		750.0	65	0.79	2.9	28.6	53
KM823J		820.0	65	0.79	2.7	30.0	52
KM913J		910.0	65	0.79	2.5	31.5	50
KM104J		1000.0	65	0.79	2.3	33.0	49
	MS75008–						
RM150M	-21	0.15	55	25.0	510	0.030	3000
RM220M	-22	0.22	50	25.0	415	0.035	2800
RM330M	-23	0.33	50	25.0	350	0.065	2000
RM470M	-24	0.47	50	25.0	300	0.085	1700
RM560K	-25	0.56	50	25.0	270	0.125	1450
RM680K	-26	0.68	45	25.0	250	0.150	1300
RM820K	-27	0.82	40	25.0	210	0.205	1100
RM101K	-28	1.00	40	25.0	200	0.290	930
RM121K	-29	1.20	30	7.9	180	0.400	785
RM151K	-30	1.50	30	7.9	170	0.485	700
RM181K	-31	1.80	30	7.9	150	0.740	580
RM221K	-32	2.20	30	7.9	140	0.970	505
RM271K	-33	2.70	30	7.9	120	1.20	460
	MS75101–						
RM331K	-1	3.30	30	7.9	70	0.140	990
RM391K	-2	3.90	30	7.9	65	0.155	870
RM471K	-3	4.70	30	7.9	60	0.210	745
RM561K	-4	5.60	30	7.9	50	0.280	645
RM681K	-5	6.80	30	7.9	50	0.375	560
RM821K	-6	8.20	30	7.9	48	0.440	540
RM102K	-7	10.00	30	7.9	42	0.605	440

Part number	MS part designation*	Inductance* (µH)	Q min.	Test frequency (L & Q, MHz)	SRF min. (MHz)	DCR max. (Ω)	Rated DC current (mA)
	MS75101–						
RM122K	-8	12.00	50	2.5	36	1.05	370
RM152K	-9	15.00	55	2.5	30	1.20	310
RM182K	-10	18.00	60	2.5	30	1.95	255
RM222K	-11	22.00	60	2.5	24	2.20	240
RM272K	-12	27.00	65	2.5	22	2.75	205
	MS90539–						
SM273J	-1	270	65	0.79	5.6	8.2	110
SM303J	-2	300	65	0.79	5.3	8.7	107
SM333J	-3	330	65	0.79	5.0	9.1	105
SM363J	-4	360	65	0.79	4.7	9.6	102
SM393J	-5	390	65	0.79	4.5	10.0	100
SM433J	-6	430	65	0.79	4.3	10.6	97
SM473J	-7	470	65	0.79	4.0	11.1	95
SM513J	-8	510	65	0.79	3.8	11.6	93
SM563J	-9	560	65	0.79	3.6	12.3	91
SM623J	-10	620	60	0.79	3.5	13.0	88
SM683J	-11	680	60	0.79	3.4	13.7	85
SM753J	-12	750	60	0.79	3.3	14.4	83
SM823J	-13	820	60	0.79	3.1	15.1	81
SM913J	-14	910	60	0.79	2.9	15.8	79
SM104J	-15	1000	60	0.79	2.8	16.5	78
	MS90540–						
VM114J	-1	1100	60	0.25	2.8	21.0	78
VM124J	-2	1200	60	0.25	2.7	22.0	76
VM134J	-3	1300	60	0.25	2.6	23.0	75
VM154J	-4	1500	65	0.25	2.4	25.0	72
VM164J	-5	1600	65	0.25	2.3	26.0	70
VM184J	-6	1800	65	0.25	2.2	28.0	68
VM204J	-7	2000	65	0.25	2.1	29.0	67
VM224J	-8	2200	70	0.25	2.0	30.0	66
VM244J	-9	2400	70	0.25	1.9	31.0	64
VM274J	-10	2700	70	0.25	1.8	33.0	62
VM304J	-11	3000	70	0.25	1.7	35.0	61
VM334J	-12	3300	70	0.25	1.6	38.0	58
VM364J	-13	3600	70	0.25	1.5	40.0	57
	MS90541–						
XM394J	-1	3900	80	0.25	1.45	44.0	61
XM434J	-2	4300	80	0.25	1.40	46.0	59
XM474J	-3	4700	80	0.25	1.35	48.0	58
XM504J	-4	5000	80	0.25	1.30	50.0	57
XM564J	-5	5600	80	0.25	1.25	53.0	56
XM624J	-6	6200	80	0.25	1.20	56.0	54
XM684J	-7	6800	80	0.25	1.15	59.0	52
XM754J	-8	7500	80	0.25	1.10	62.0	51
XM824J	-9	8200	80	0.25	1.05	65.0	50
XM914J	-10	9100	80	0.25	1.00	68.0	49
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%