

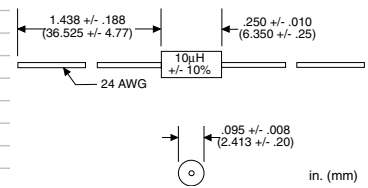
# RF INDUCTORS - THRU HOLE



## IOM Molded RF Unshielded Inductors



PART NUMBER	COTS MIL SPEC DESIGNATION	INDUCTANCE $\mu$ H	Q (MIN)	TEST FREQ. (L&Q) MHz	SRF (MIN) MHz	DCR (MAX) OHMS	CURRENT RATING DC mA
110M100K	75083-1	.10 $\pm$ 10%	40	25	680	.08	1350
10M110J		.11 $\pm$ 5%	40	25	660	.085	1309
10M120K	75083-2	.12 $\pm$ 10%	40	25	640	.09	1270
10M130J		.13 $\pm$ 5%	38	25	625	.095	1239
10M150K	75083-3	.15 $\pm$ 10%	38	25	600	.10	1200
10M160J		.16 $\pm$ 5%	35	25	580	.11	1151
10M180K	75083-4	.18 $\pm$ 10%	35	25	550	.12	1105
10M200J		.20 $\pm$ 5%	33	25	530	.13	1059
10M220K	75083-5	.22 $\pm$ 10%	33	25	510	.14	1025
10M240J		.24 $\pm$ 5%	33	25	475	.15	986
10M270K	75083-6	.27 $\pm$ 10%	33	25	430	.16	960
10M300J		.30 $\pm$ 5%	30	25	420	.19	876
10M330K	75083-7	.33 $\pm$ 10%	30	25	410	.22	815
10M360J		.36 $\pm$ 5%	30	25	385	.26	749
10M390K	75083-8	.39 $\pm$ 10%	30	25	365	.30	700
10M430J		.43 $\pm$ 5%	30	25	345	.325	670
10M470K	75083-9	.47 $\pm$ 10%	30	25	330	.35	650
10M510J		.51 $\pm$ 5%	30	25	310	.42	589
10M560K	75083-10	.56 $\pm$ 10%	30	25	300	.50	545
10M620J		.62 $\pm$ 5%	28	25	290	.55	515
10M680K	75083-11	.68 $\pm$ 10%	28	25	275	.60	495
10M750J		.75 $\pm$ 5%	28	25	265	.71	453
10M820K	75083-12	.82 $\pm$ 10%	28	25	250	.85	415
10M910J		.91 $\pm$ 5%	25	25	240	.925	397
10M101K	75083-13	1.0 $\pm$ 10%	25	25	230	1.00	385
10M111J		1.1 $\pm$ 5%	25	7.9	165	.17	607
10M121K	75084-1	1.2 $\pm$ 10%	25	7.9	150	.18	590
10M131J		1.3 $\pm$ 5%	28	7.9	145	.20	560
10M151K	75084-2	1.5 $\pm$ 10%	28	7.9	140	.22	535
10M161J		1.6 $\pm$ 5%	30	7.9	135	.25	501
10M181K	75084-3	1.8 $\pm$ 10%	30	7.9	125	.30	455
10M201J		2.0 $\pm$ 5%	30	7.9	120	.35	425
10M221K	75084-4	2.2 $\pm$ 10%	30	7.9	115	.40	395
10M241J		2.4 $\pm$ 5%	37	7.9	109	.46	380
10M271K	75084-5	2.7 $\pm$ 10%	37	7.9	100	.55	355
10M301J		3.0 $\pm$ 5%	45	7.9	95	.70	299
10M331K	75084-6	3.3 $\pm$ 10%	45	7.9	90	.85	270
10M361J		3.6 $\pm$ 5%	45	7.9	85	.925	260
10M391K	75084-7	3.9 $\pm$ 10%	45	7.9	80	1.00	250
10M431J		4.3 $\pm$ 5%	45	7.9	77	1.10	240
10M471K	75084-8	4.7 $\pm$ 10%	45	7.9	75	1.20	230
10M511J		5.1 $\pm$ 5%	50	7.9	69	1.47	216
10M561K	75084-9	5.6 $\pm$ 10%	50	7.9	65	1.80	185
10M621J		6.2 $\pm$ 5%	50	7.9	62	1.90	180
10M681K	75084-10	6.8 $\pm$ 10%	50	7.9	60	2.00	180
10M751J		7.5 $\pm$ 5%	50	7.9	57	2.35	165
10M821K	75084-11	8.2 $\pm$ 10%	55	7.9	55	2.70	155
10M911J		9.1 $\pm$ 5%	55	7.9	52	3.00	145
10M102K	75084-12	10 $\pm$ 10%	55	7.9	50	3.70	130
10M112J		11 $\pm$ 5%	45	2.5	45	2.60	156
10M122K	75084-13	12 $\pm$ 10%	45	2.5	40	2.70	155
10M132J		13 $\pm$ 5%	45	2.5	38	2.80	150
10M152K	75084-14	15 $\pm$ 10%	45	2.5	35	2.80	150
10M162J		16 $\pm$ 5%	45	2.5	33	2.90	147
10M182K	75084-15	18 $\pm$ 10%	50	2.5	30	3.10	145
10M202J		20 $\pm$ 5%	50	2.5	27.5	3.20	142
10M222K	75084-16	22 $\pm$ 10%	50	2.5	25	3.30	140
10M242J		24 $\pm$ 5%	50	2.5	23	3.40	137
10M272K	75084-17	27 $\pm$ 10%	50	2.5	20	3.50	135
10M302J		30 $\pm$ 5%	45	2.5	22	3.30	132
10M332K	75085-1	33 $\pm$ 10%	45	2.5	24	3.40	130
10M362J		36 $\pm$ 5%	45	2.5	23	3.50	127
10M392K	75085-2	39 $\pm$ 10%	45	2.5	22	3.60	125
10M432J		43 $\pm$ 5%	45	2.5	21	4.10	116
10M472K	75085-3	47 $\pm$ 10%	45	2.5	20	4.50	110
10M512J		51 $\pm$ 5%	45	2.5	19	5.00	105
10M562K	75085-4	56 $\pm$ 10%	45	2.5	18	5.70	100
10M622J		62 $\pm$ 5%	50	2.5	16.5	6.20	94
10M682K	75085-5	68 $\pm$ 10%	50	2.5	15	6.70	92
10M752J		75 $\pm$ 5%	50	2.5	14.5	7.0	89
10M822K	75085-6	82 $\pm$ 10%	50	2.5	14	7.3	88
10M912J		91 $\pm$ 5%	50	2.5	13.5	7.7	85



### NOTES:

- Operating temperature Phenolic: -55°C to +125°C; Powdered Iron & Ferrite: -55°C to +105°C
- Laser marking is standard. Color band is optional.
- Optional tolerances available, consult factory

### TAPE AND REEL SPECS:

Pcs./12" Reel maximum: 3500  
 Pitch between parts: .200 inches  
 Inside tape spacing: 2.062 inches  
 Class: 1



## 10M - continued

PART NUMBER	COTS MIL SPEC DESIGNATION	INDUCTANCE $\mu$ H	Q (MIN)	TEST FREQ. (L&Q) MHz	SRF (MIN) MHz	DCR (MAX) OHMS	CURRENT RATING VmA
10M103K	75085-7	100 $\pm$ 10%	50	2.5	13	8.0	84
10M113J		110 $\pm$ 5%	30	.79	12.5	11.0	71
10M123K	75085-8	120 $\pm$ 10%	30	.79	12	13	66
10M133J		130 $\pm$ 5%	30	.79	11.5	14	63
10M153K	75085-9	150 $\pm$ 10%	30	.79	11	15	61
10M163J		160 $\pm$ 5%	30	.79	10.5	16	59
10M183K	75085-10	180 $\pm$ 10%	30	.79	10	17	57
10M203J		200 $\pm$ 5%	30	.79	9.5	19	54
10M223K	75085-11	220 $\pm$ 10%	30	.79	9	21	52
10M243J		240 $\pm$ 5%	30	.79	8.5	23	49
10M273K	75085-12	270 $\pm$ 10%	30	.79	8	25	47
10M303J		300 $\pm$ 5%	30	.79	7.5	27	46
10M333K	75085-13	330 $\pm$ 10%	30	.79	7	28	45
10M363J		360 $\pm$ 5%	30	.79	6.75	32	41
10M393K	75085-14	390 $\pm$ 10%	30	.79	6.5	35	40
10M433J		430 $\pm$ 5%	30	.79	6.25	39	37
10M473K	75085-15	470 $\pm$ 10%	30	.79	6	42	36
10M513J		510 $\pm$ 5%	30	.79	5.5	44	35
10M563K	75085-16	560 $\pm$ 10%	30	.79	5	46	35
10M623J		620 $\pm$ 5%	30	.79	4.6	53	32
10M683K	75085-17	680 $\pm$ 10%	30	.79	4	60	30
10M753J		750 $\pm$ 5%	30	.79	4	63	29
10M823K	75085-18	820 $\pm$ 10%	30	.79	3.8	65	29
10M913J		910 $\pm$ 5%	30	.79	3.6	69	28
10M104K	75085-19	1000 $\pm$ 10%	30	.79	3.4	72	28