

**MCTD0808 TYPE**

Part Number	Inductance	L Test Condition	Min.Self-resonant Frequency	MAX.DC Resistance	Max.Rated Current
Units	uH	Hz,V	MHZ	Ω	A
Symbol	L <sub>0A</sub>	-	S.R.F	DCR	I <sub>r</sub>
MCTD0808-151K	150 ± 10%	1K,0.25	796 KHZ	0.510	0.60
MCTD0808-181K	180 ± 10%	1K,0.25	796 KHZ	0.570	0.55
MCTD0808-221K	220 ± 10%	1K,0.25	796 KHZ	0.760	0.50
MCTD0808-271K	270 ± 10%	1K,0.25	796 KHZ	0.860	0.45
MCTD0808-331K	330 ± 10%	1K,0.25	796 KHZ	0.970	0.41
MCTD0808-391K	390 ± 10%	1K,0.25	796 KHZ	1.280	0.37
MCTD0808-471K	470 ± 10%	1K,0.25	796 KHZ	1.440	0.34
MCTD0808-561K	560 ± 10%	1K,0.25	796 KHZ	1.610	0.31
MCTD0808-681K	680 ± 10%	1K,0.25	796 KHZ	2.070	0.28
MCTD0808-821K	820 ± 10%	1K,0.25	796 KHZ	2.330	0.26
MCTD0808-102K	1000 ± 10%	1K,0.25	252 KHZ	2.720	0.23

**MCTD1008 TYPE**

Part Number	Inductance	L Test Condition	Min.Self-resonant Frequency	MAX.DC Resistance	Max.Rated Current
Units	uH	Hz,V	MHZ	Ω	A
Symbol	L <sub>0A</sub>	-	S.R.F	DCR	I <sub>r</sub>
MCTD1008-100M	10 ± 20%	1K,0.25	2.52 MHZ	0.050	2.800
MCTD1008-120M	12 ± 20%	1K,0.25	2.52 MHZ	0.060	2.500
MCTD1008-150M	15 ± 20%	1K,0.25	2.52 MHZ	0.070	2.300
MCTD1008-180M	18 ± 20%	1K,0.25	2.52 MHZ	0.080	2.100
MCTD1008-220M	11 ± 20%	1K,0.25	2.52 MHZ	0.090	2.00
MCTD1008-270M	27 ± 20%	1K,0.25	2.52 MHZ	0.100	1.76
MCTD1008-330M	33 ± 20%	1K,0.25	2.52 MHZ	0.110	1.60
MCTD1008-390M	39 ± 20%	1K,0.25	2.52 MHZ	0.120	1.38
MCTD1008-470M	47 ± 20%	1K,0.25	2.52 MHZ	0.140	1.28
MCTD1008-560K	56 ± 10%	1K,0.25	2.52 MHZ	0.150	1.20
MCTD1008-680K	68 ± 10%	1K,0.25	2.52 MHZ	0.160	1.00
MCTD1008-820K	82 ± 10%	1K,0.25	2.52 MHZ	0.180	0.96
MCTD1008-101K	100 ± 10%	1K,0.25	796 KHZ	0.200	0.82
MCTD1008-121K	120 ± 10%	1K,0.25	796 KHZ	0.240	0.80
MCTD1008-151K	150 ± 10%	1K,0.25	796 KHZ	0.350	0.73
MCTD1008-181K	180 ± 10%	1K,0.25	796 KHZ	0.400	0.64
MCTD1008-221K	220 ± 10%	1K,0.25	796 KHZ	0.540	0.61

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Symbol	L <sub>0A</sub>	-	S.R.F	DCR	I <sub>r</sub>
MCTD1008-271K	270 ± 10%	1K,0.25	796 KHZ	0.760	0.56
MCTD1008-331K	330 ± 10%	1K,0.25	796 KHZ	0.760	0.50
MCTD1008-391K	390 ± 10%	1K,0.25	796 KHZ	0.930	0.44
MCTD1008-471K	470 ± 10%	1K,0.25	796 KHZ	1.230	0.41
MCTD1008-561K	560 ± 10%	1K,0.25	796 KHZ	1.340	0.38
MCTD1008-681K	680 ± 10%	1K,0.25	796 KHZ	1.530	0.34

**MCTD1010 TYPE**

Part Number	Inductance	L Test Condition	Min.Self-resonant Frequency	MAX.DC Resistance	Max.Rated Current
Units	uH	Hz,V	MHZ	Ω	A
Symbol	L <sub>0A</sub>	-	S.R.F	DCR	I <sub>r</sub>
MCTD1010-100M	10 ± 20%	1K,0.25	2.52 MHZ	0.023	3.510
MCTD1010-120M	12 ± 20%	1K,0.25	2.52 MHZ	0.024	3.240
MCTD1010-150M	15 ± 20%	1K,0.25	2.52 MHZ	0.036	2.880
MCTD1010-180M	18 ± 20%	1K,0.25	2.52 MHZ	0.039	2.610
MCTD1010-220M	11 ± 20%	1K,0.25	2.52 MHZ	0.042	2.34
MCTD1010-270M	27 ± 20%	1K,0.25	2.52 MHZ	0.045	2.16
MCTD1010-330M	33 ± 20%	1K,0.25	2.52 MHZ	0.057	1.89
MCTD1010-390M	39 ± 20%	1K,0.25	2.52 MHZ	0.076	1.80
MCTD1010-470M	47 ± 20%	1K,0.25	2.52 MHZ	0.100	1.62
MCTD1010-560K	56 ± 10%	1K,0.25	2.52 MHZ	0.110	1.44
MCTD1010-680K	68 ± 10%	1K,0.25	2.52 MHZ	0.150	1.35
MCTD1010-820K	82 ± 10%	1K,0.25	2.52 MHZ	0.160	1.26
MCTD1010-101K	100 ± 10%	1K,0.25	796 KHZ	0.190	1.08
MCTD1010-121K	120 ± 10%	1K,0.25	796 KHZ	0.210	0.99
MCTD1010-151K	150 ± 10%	1K,0.25	796 KHZ	0.230	0.90
MCTD1010-181K	180 ± 10%	1K,0.25	796 KHZ	0.260	0.82
MCTD1010-221K	220 ± 10%	1K,0.25	796 KHZ	0.290	0.74
MCTD1010-271K	270 ± 10%	1K,0.25	796 KHZ	0.360	0.67
MCTD1010-331K	330 ± 10%	1K,0.25	796 KHZ	0.510	0.61
MCTD1010-391K	390 ± 10%	1K,0.25	796 KHZ	0.690	0.55
MCTD1010-471K	470 ± 10%	1K,0.25	796 KHZ	0.980	0.51
MCTD1010-561K	560 ± 10%	1K,0.25	796 KHZ	1.100	0.46
MCTD1010-681K	680 ± 10%	1K,0.25	796 KHZ	1.200	0.42
MCTD1010-821K	820 ± 10%	1K,0.25	796 KHZ	1.300	0.38