

MF0603 SERIES – Multilayer Ceramic Chip Inductors

New Products

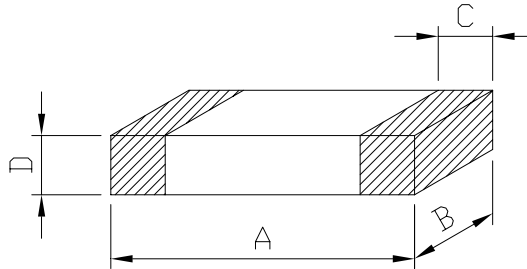


PART NUMBERING SYSTEM

<u>MF</u>	<u>0 6 0 3</u>	—	<u>1 N 0 S</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

UNIT : mm



$$A=0.6\pm0.03 \quad B=0.3\pm0.03 \quad C=0.1\sim0.2 \quad D=0.33 \text{ Max.}$$

FEATURES

1. Provides high Q characteristics .
2. Supports operating frequency bands of up to 10GHZ .
3. Excellent solder ability and high heat resistance for either flow or reflow soldering .
4. **Size : 0201 type , Compact low profile Multilayer Ceramic Chip Inductors –**
only **0.33 mm** thickness Max.
5. **RoHS-compliant.**

APPLICATION

1. Mobile phones .
2. Portable phones .
3. Cordless phones .
4. Pagers and personal handy-phone systems (PHS) .

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RoHS Compliant

SPECIFICATION TABLE

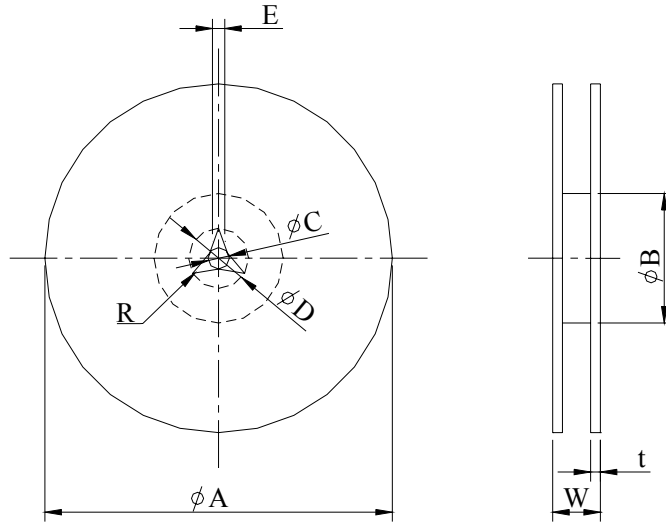
PART NUMBER	INDUCTANCE (nH) 100MHz	INDUCTANCE TOLERANCE	Q (Min.) 100MHz	SRF (GHz) Min.	Rated Current(mA) (Max.)	DCR(Ω) (Max.)
MF0603-1N0S-LF	1.0	S	4	10	250	0.14
MF0603-1N2S-LF	1.2	S	4	10	250	0.14
MF0603-1N5S-LF	1.5	S	4	10	230	0.18
MF0603-1N8S-LF	1.8	S	4	10	200	0.19
MF0603-2N2S-LF	2.2	S	4	8.8	200	0.22
MF0603-2N7S-LF	2.7	S	5	7.7	200	0.25
MF0603-3N3□-LF	3.3	S, K	5	6.7	180	0.30
MF0603-3N9□-LF	3.9	S, K	5	6.0	170	0.30
MF0603-4N7□-LF	4.7	S, K	5	5.3	150	0.40
MF0603-5N1□-LF	5.1	S, K	5	4.7	150	0.40
MF0603-5N6□-LF	5.6	S, K	5	4.2	150	0.40
MF0603-6N8□-LF	6.8	J, K	5	3.5	150	0.50
MF0603-8N2□-LF	8.2	J, K	5	3.2	150	0.55
MF0603-10N□-LF	10.0	J, K	5	2.8	150	0.65
MF0603-12N□-LF	12.0	J, K	5	2.4	100	0.70
MF0603-15N□-LF	15.0	J, K	5	2.2	100	0.80
MF0603-18N□-LF	18.0	J, K	5	2.1	100	0.90
MF0603-22N□-LF	22.0	J, K	5	1.8	100	1.20
MF0603-27N□-LF	27.0	J, K	4	1.8	50	1.80
MF0603-33N□-LF	33.0	J, K	4	1.7	50	2.10
MF0603-39N□-LF	39.0	J, K	4	1.5	50	2.40

- Test equipment : HP-4287A RF LCR Meter or equipment
- L & Q test Frequency at 100MHz
- □ : INDUCTANCE TOLERANCE (J : ±5%, K : ±10%, S : ±0.3nH)

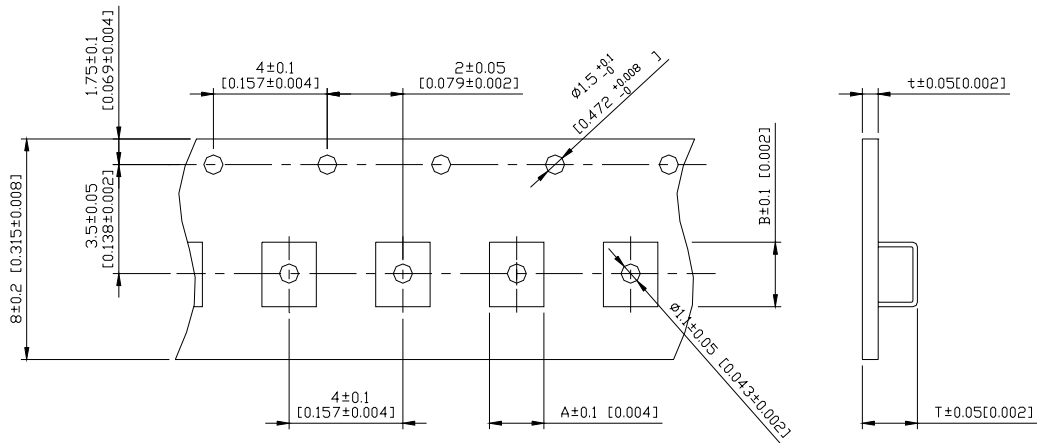
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PACKAGING SPECIFICATION



	A	B	C	D	E	W8	W12	t	R
T(ϕ 178mm) Reel	ϕ 178 $\pm$ 2	ϕ 60 $\pm$ 1	ϕ 13 $\pm$ 0.8	ϕ 21 $\pm$ 0.8	2	10 $\pm$ 1.5	14.5 $\pm$ 1.5	1.27 $\pm$ 0.2	1



TYPE	A	B	T	t	T(ϕ 178mm)	T(ϕ 330mm)
MF0603	0.65	1.15	0.80	0.2	15,000 pcs/reel	—