

HIGH CURRENT COMMON MODE CHOKE COILS / CM TYPE

FEATURES

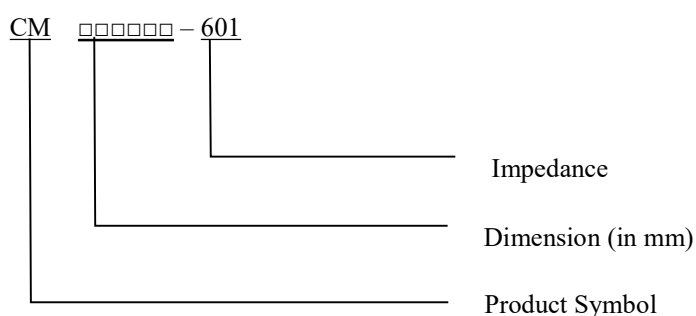
- ◆ High common mode impedance at high frequency effects excellent noise suppression performance.
- ◆ The common mode choke coils structure enables noise suppression without degrading the signal.
- ◆ Suitable for and reflow soldering



APPLICATIONS

- ◆ EMI countermeasures at signal lines of various categories of consumer electronics. Countermeasures against common-mode noise at composite video signals.

ORDERING CODE



SHAPES

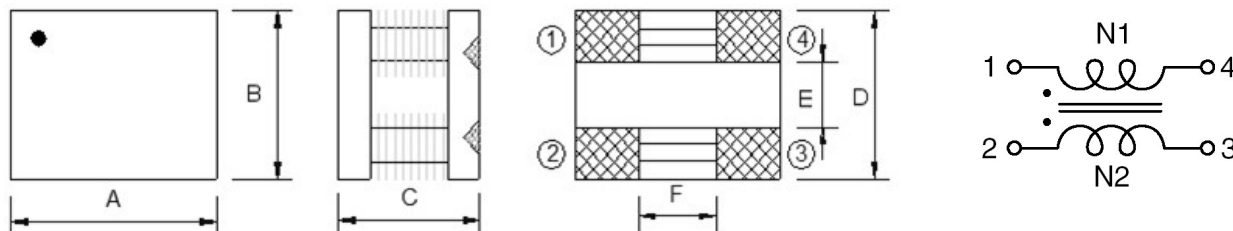


Fig.1

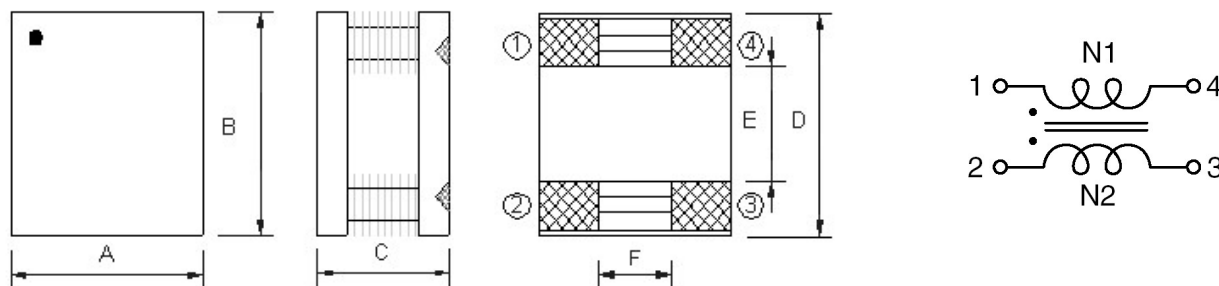


Fig.2



CORE MASTER ENTERPRISE CO., LTD.

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HIGH CURRENT COMMON MODE CHOKE COILS / CM TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	A	B	C	D (Ref.)	E (Ref.)	F (Ref.)
CM508505	1	8.5 ± 0.3	5.00 ± 0.3	5.0 ± 0.3	5.0	1.8	4.0
CM750603	2	6.0 ± 0.3	7.50 ± 0.3	3.2 ± 0.3	7.5	2.5	1.8
CM100805	2	8.0 ± 0.3	10.0 ± 0.3	5.2 ± 0.3	10.0	4.0	2.5
CM121006	2	10.0 ± 0.5	12.0 ± 0.5	6.2 ± 0.3	12.0	5.0	3.0

ELECTRICAL CHARACTERISTICS FOR CM508505

Part No.	Rated Current (mA)	Impedance (Ω) (Ref.)	Test Frequency	DC Resistance (mΩ)(Max)
CM 508505-701	2500	700	100MHz	35
CM 508505-102	2500	1000	100MHz	75
CM 508505-202	2000	2000	100MHz	75
CM 508505-222	2000	2200	100MHz	75

ELECTRICAL CHARACTERISTICS FOR CM750603

Part No.	Rated Current (mA)	Impedance (Ω) (Ref.)	Test Frequency	DC Resistance (mΩ)(Max)
CM 750603-301	5000	300	100MHz	10
CM 750603-601	2500	600	100MHz	45
CM 750603-701	2500	700	100MHz	45

ELECTRICAL CHARACTERISTICS FOR CM100805

Part No.	Rated Current (mA)	Impedance (Ω) (Ref.)	Test Frequency	DC Resistance (mΩ)(Max)
CM 100805-501	5000	500	100MHz	10
CM 100805-601	4000	600	100MHz	30
CM 100805-102	4000	1000	100MHz	30
CM 100805-152	3000	1500	80MHz	60
CM 100805-202	2000	2000	70MHz	75

ELECTRICAL CHARACTERISTICS FOR CM121006

Part No.	Rated Current (mA)	Impedance (Ω) (Ref.)	Test Frequency	DC Resistance (mΩ)(Max)
CM 121006-201	6000	200	100MHz	20
CM 121006-501	5000	500	100MHz	25
CM 121006-901	5000	900	100MHz	25
CM 121006-102	5000	1000	100MHz	25
CM 121006-122	5000	1200	100MHz	45
CM 121006-202	5000	2000	100MHz	45
CM 121006-302	2500	3000	100MHz	150

Note:

- 1, Inductance is measured by LCR-meter 4284A (HP) or equivalent.
- 2, DC Resistance is measured by HP4338B Milliohms Meter or equivalent.



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