

► SMD Common Mode Choke ► CMH Series

FEATURES

- High common mode impedance at high frequency
- Effectsexcellent noise suppression performance.
- The common mode choke coils structure enables noise suppression without degrading the signal.
- Low profile
- RoHs compliance



APPLICATIONS

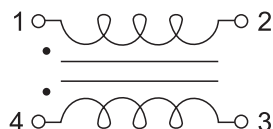
- EMI countermeasures at signal lines of personal computers, microcomputers, peripheral devices, Countermeasures against common-mode noise at composite at video signals.

PRODUCT IDENTIFICATION

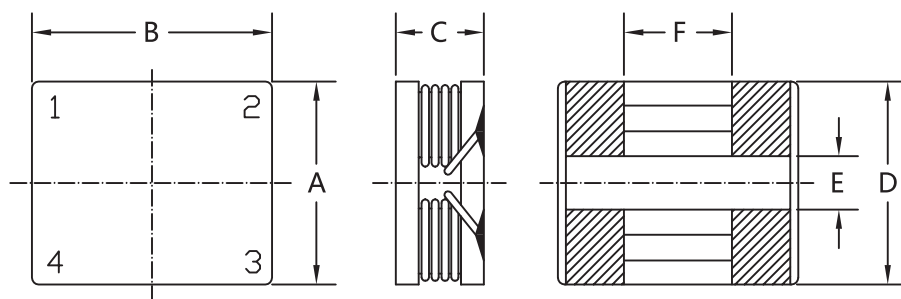
CMH 465516 – 151 T – 20
a b c d e

- a : Series name
b : Product dimensions
c : Impedance Value (100:10; 101: 100)
d : Packaging style (T: Taping; B: bulk)
e : Rated Current (02:0.2A; 20:2A;100:10A)

SCHEMATIC



SHAPES AND DIMENSIONS Unit: mm



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
CMH465516	4.6±0.3	5.5±0.3	1.6±0.3	4.6 ref	2.7 ref	2.2 ref
CMH058505	5.0±0.3	8.5±0.3	5.0±0.3	5.0 ref	1.8 ref	4.0 ref
CMH750603	7.5±0.3	6.0±0.3	3.2±0.3	7.5 ref	2.0 ref	1.8 ref
CMH100805	10.0±0.3	8.0±0.3	5.0±0.3	10.0 ref	4.0 ref	2.5 ref
CMH121006	12.0±0.3	10.0±0.3	6.0±0.3	12.0 ref	4.8 ref	3.5 ref

ELECTRICAL CHARACTERISTICS

Part Number	L(uH) Min at 1.0KHz/1.0V	Impedance Common Mode(Ω)Min			I _{rated} .(A)	DCR.(m Ω)max
		1.0MHz	50.0MHz	100.0MHz		
CMH465516-151T20	4.0	15	100	150	2.0	60.0
CMH465516-351T20	7.0	50	350	350	2.0	70.0
CMH058505-202T20	10.0	50	2200	2000	2.5	75.0
CMH750603-601T20	10.0	70	500	600	2.0	45.0
CMH750603-701T20	15.0	75	600	700	2.0	50.0
CMH100805-701T40	5.0	20	400	700	4.0	40.0
CMH100805-901T40	6.0	40	600	900	4.0	45.0
CMH121006-801T50	18.0	80	850	800	5.0	25.0
CMH121006-102T50	25.0	90	900	1000	5.0	35.0
CMH121006-122T50	50.0	150	1100	1200	5.0	45.0

Note:

I_{rated}: The DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient