

Common Mode Filter

CMF1211/1513/4520/7060/9070-Series



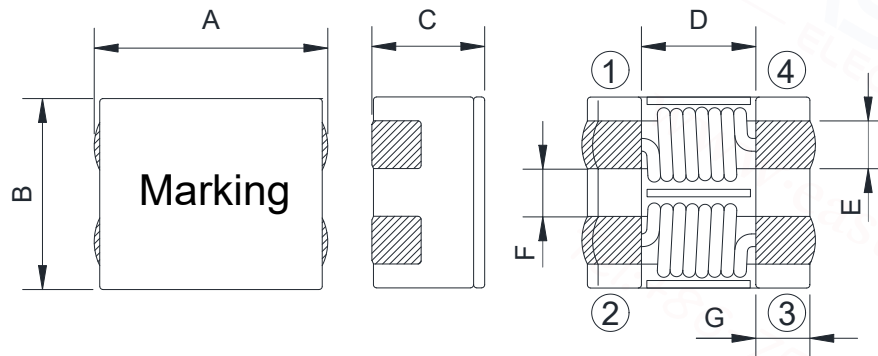
Features

- ▶ Due to the low profile design, it is suitable for surface mount.
- ▶ High impedance characteristic has been achieved a superior effect for common mode noise suppression.
- ▶ Have achieved miniaturization while keeping characteristics by adoption of exclusive square type closed magnetic cores.

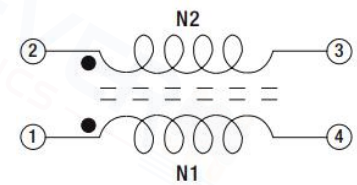
Applications

- ▶ For DC power lines (elec-tronics control equipment, multi-media etc).

Dimension (Unit:mm)

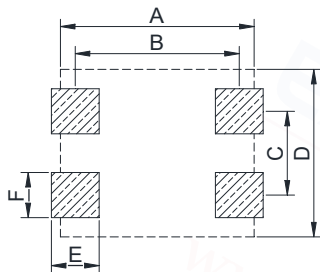


Circuit Diagram



Item	A	B	C	D	E	F	G
CMF1513-Series	15.3±0.5	13.0±0.5	6.5 Max	9.0±0.4	3.2±0.3	3.0±0.4	3.0±0.3
CMF1211-Series	12.1±0.5	10.8±0.5	6.5 Max	7.0 Typ	2.7±0.4	2.5±0.3	2.5±0.3
CMF9070-Series	9.0±0.5	7.0±0.5	4.8 Max	5.6 Typ	1.8±0.4	2.0±0.3	1.7±0.3
CMF7060-Series	7.0±0.5	6.0±0.5	3.8 Max	3.5 Typ	1.5±0.2	1.5±0.2	1.7±0.2
CMF4520-Series	4.7±0.5	4.5±0.5	2.5 Max	2.7 Typ	0.9 Typ	1.0 Typ	1.0 Typ

Recommended Land Pattern



Item	A	B	C	D	E	F
CMF1513-Series	15.0	12.7	6.5	13.0	3.7	3.5
CMF1211-Series	12.3	9.5	5.2	10.8	3.5	3.5
CMF9070-Series	9.2	8.0	3.8	7.0	3.0	2.2
CMF7060-Series	7.6	6.1	3.0	6.3	2.9	1.9
CMF4520-Series	4.7	4.0	2.3	4.5	2.0	1.3

Specifications

- Impedance measure condition at 100MHz,0.1V.
- Isat: the value of DC current when the temperature rise is AT40℃ (Ta=25℃)

CMF1513-Series							
Part Number	Impedance		D.C.R (mΩ)Max	Rated Current (A)Max	Rated Voltage (Vdc)Max	Resistance Insulation (MΩ)Min	Marking
	Value (Ω)Min	Value (Ω)Typ					
CMF1513-101	100	200	3	13	80	10	101
CMF1513-301	180	300	4	13	80	10	301
CMF1513-501	400	500	5	12	80	10	501
CMF1513-551	450	550	5	12	80	10	551
CMF1513-701	500	700	6	10	80	10	701
CMF1513-102	800	1000	8	10	80	10	102
CMF1513-152	1300	1500	10	10	80	10	152
CMF1513-222	1700	2200	14	8	80	10	222
CMF1513-302	2500	3000	18	5	80	10	302

Common Mode Filter

CMF1211/1513/4520/7060/9070-Series



CMF1211-Series							
Part Number	Impedance		D.C.R (mΩ)Max	Rated Current (A)Max	Rated Voltage (Vdc)Max	Resistance Insulation (MΩ)Min	Marking
	Value (Ω)Min	Value (Ω)Typ					
CMF1211-800	80	230	2	12	125	10	800
CMF1211-231	80	230	3	12	125	10	231
CMF1211-101	100	230	3	12	125	10	101
CMF1211-301	175	350	4	10	125	10	301
CMF1211-501	300	500	5	10	125	10	501
CMF1211-701	500	700	6	8	125	10	701
CMF1211-801	600	800	8	8	125	10	801
CMF1211-102	750	1000	12	6	125	10	102
CMF1211-152	1200	1500	20	5	125	10	152
CMF1211-202	1700	2000	25	4	125	10	202
CMF1211-222	2200	2500	35	3	125	10	222
CMF1211-272	2300	2700	50	2	125	10	272
CMF9070-Series							
CMF9070-301	225	300	6	6.0	80	10	301
CMF9070-501	375	500	8	5.5	80	10	501
CMF9070-701	500	700	10	5.0	80	10	701
CMF9070-102	750	1000	13	4.5	80	10	102
CMF9070-132	1000	1300	20	4.0	80	10	132
CMF9070-152	1200	1500	20	4.0	80	10	152
CMF9070-202	1500	2000	30	3.5	80	10	202
CMF9070-222	1700	2200	50	3.5	80	10	222
CMF9070-272	2000	2700	60	3.3	80	10	272
CMF9070-302	2500	3000	70	3.0	80	10	302
CMF9070-402	3500	4000	80	2.5	80	10	402
CMF7060-Series							
CMF7060-400	40	70	5	15	125	10	400
CMF7060-101	100	140	8	9.0	125	10	101
CMF7060-201	200	250	9	7.0	125	10	201
CMF7060-301	225	300	10	6.0	125	10	301
CMF7060-501	300	500	10	5.0	125	10	501
CMF7060-601	400	600	10	5.0	125	10	601
CMF7060-701	500	700	15	4.0	125	10	701
CMF7060-801	500	800	15	4.0	125	10	801
CMF7060-102	800	1020	17	3.0	125	10	102
CMF7060-132	910	1300	21	2.5	125	10	132
CMF7060-202	1500	2000	50	1.5	125	10	202
CMF7060-272	2000	2700	63	1.0	125	10	272
CMF7060-302	2500	3000	75	0.9	125	10	302
CMF7060-402	3300	4000	100	0.8	125	10	402
CMF4520-Series							
CMF4520-900	60	90	35	3.2	50	10	900
CMF4520-151	90	150	40	3.2	50	10	151
CMF4520-231	180	230	45	3.0	50	10	231
CMF4520-301	200	300	45	3.0	50	10	301
CMF4520-381	250	380	50	2.5	50	10	381
CMF4520-401	300	420	50	2.5	50	10	401
CMF4520-501	350	500	55	2.4	50	10	501
CMF4520-701	500	700	58	2.2	50	10	701
CMF4520-901	650	900	60	2.1	50	10	901
CMF4520-102	800	1000	60	2.1	50	10	102
CMF4520-122	1000	1200	70	2.0	50	10	122
CMF4520-142	1200	1400	80	1.9	50	10	142
CMF4520-202	1800	2000	120	1.5	50	10	202
CMF4520-302	2500	3000	180	1.0	50	10	302

