

SMD Wire Wound Common Mode Filters---CMZ4520 Series

Features

- High current SMD type CMCC.
- Good common mode noise suppression.
- Suitable for compact design.

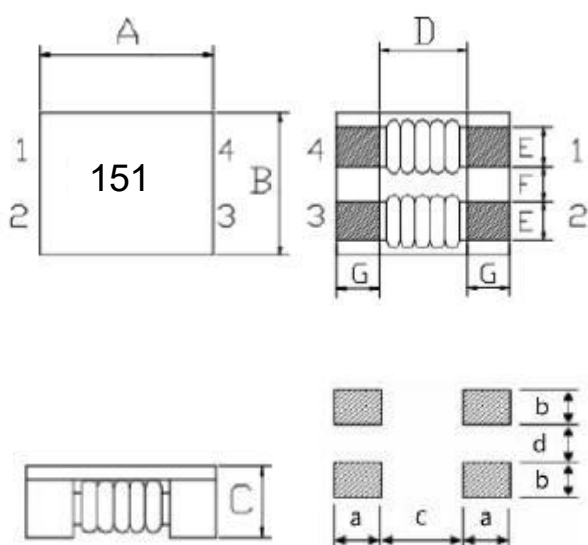
Applications

- Automotive Application.
- Various electronic devices.

Yint CMCC P/N Information

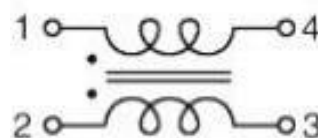
- | | | | | | |
|----------|---|------|----------------------|-----|---|
| ① | ② | ③ | ④ | ⑤ | ⑥ |
| • CM | Z | 4520 | A- | 151 | T |
| ① CM | | | ④ Special code | | |
| ② Series | | | ⑤ Z Value | | |
| ③ Size | | | ⑥ Taping information | | |

Shape & Dimension information



Unit: mm

Schematic Circuit



Series	A	B	C	D	E	F	G	a	b	c	d
CMZ4520	4.7±0.5	4.5±0.5	2.3Max	2.7Typ	0.8Typ	0.8Typ	1.0Typ	2.0	1.0	2.0	1.0

Specification

Yint P/N	Common mode Impedance		DCR	Rated Current	Rated Voltage	Insulation Resistance 50V/3S	Marking
	@100MHz						
	Z (Ω)		mΩ	A	Vdc	MΩ	
	Min	Typ	Max	Max	Max	Min	
CMZ4520A-900T	60	90	35	3.2	50	10	900
CMZ4520A-151T	90	150	40	3.1	50	10	151
CMZ4520A-231T	180	230	45	3.0	50	10	231
CMZ4520A-301T	200	300	45	3.0	50	10	301
CMZ4520A-401T	300	420	50	2.5	50	10	401
CMZ4520A-421T	350	420	50	2.5	50	10	421
CMZ4520A-501T	300	500	55	2.4	50	10	501
CMZ4520A-701T	500	700	59	2.2	50	10	701

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	@100MHz						
	Z (Ω)		mΩ	A	Vdc	MΩ	
	Min	Typ	Max	Max	Max	Min	
CMZ4520A-901T	650	900	68	2.1	50	10	901
CMZ4520A-102T	800	1000	68	2.1	50	10	102
CMZ4520A-122T	1000	1200	74	2.0	50	10	122
CMZ4520A-142T	1200	1400	81	1.9	50	10	142

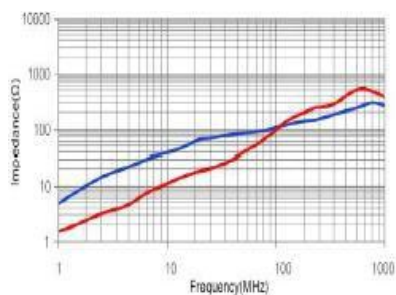
Testing Conditions:

1. All test data is base on 25 °C ambient .
2. Operating temperature range - 40 °C to + 105 °C
3. Storage Temperature : 15 °C up to 25 °C, 65% RH max.
4. The part temperature (ambient + temp rise) should not exceed 105 °C under worst cases.
5. Storage Temperature: Under 25 °C, Humidity < 65% RH. If product is preserved for more than 6 months, the solderability of their terminals may be deteriorated.

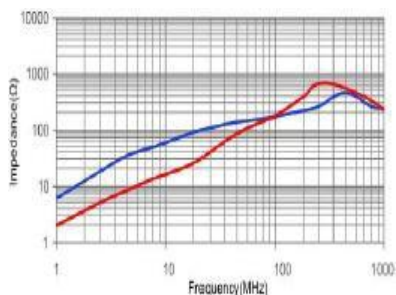
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Common Mode & Differential Mode Curve

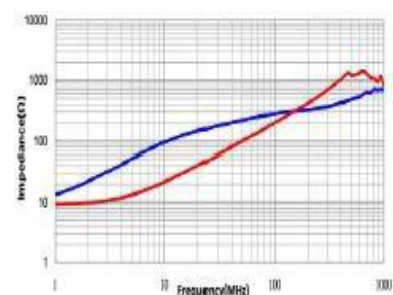
CMZ4520A-900T



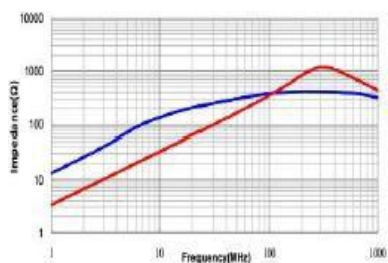
CMZ4520A-151T



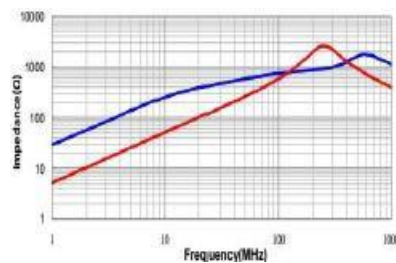
CMZ4520A-231&301T



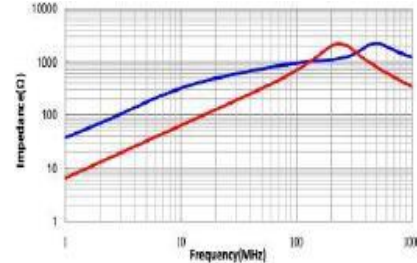
CMZ4520A-401&421T



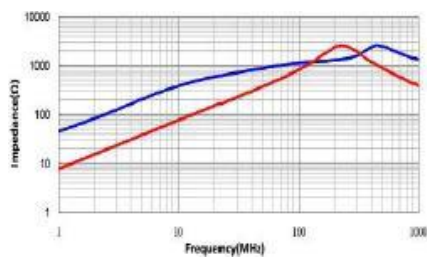
CMZ4520A-701TT



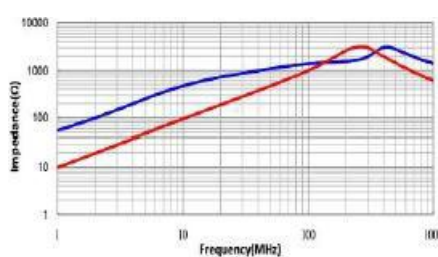
CMZ4520A-901&102T



CMZ4520A-122T



CMZ4520A-142T



— Common Mode
— Differential Mode

Reel & QTY information

Series	MPQ(Pcs)	Reel	W / P (mm)
CMZ4520	1,000	7"	12 / 8