

TLDCM7035 Series

DC COMMON MODE FILTER

TOP-EMC

Generls

This specification covers the engineering requirements for the TLDCM7035 Series (DC Common Mode Filter)

Features

- A chip-type common mode filter for large current applications. Noise is greatly suppressed.
- Height and size have been considered, resulting in a compact and light-weight choke coil. Applicable for the miniaturization required to reduce the size and weight of portable equipment.
- The products contain no lead and also support lead-free soldering.
- This product does not contain regulated substances that are slated to be included in RoHS.
- Compliant with AEC-Q200.



Applications

Used for power line noise suppression for any electronic devices
Used to counter adapter/battery line noise for relatively large electronic devices, including automotive power trains and safety applications.

Temperature Ranges

Operating	-40 to +125°C
Storage(After mount)	-40 to +125°C

Part Number System

TLDCM 7035 -2 -501 T F -TA
① ② ③ ④ ⑤ ⑥ ⑦

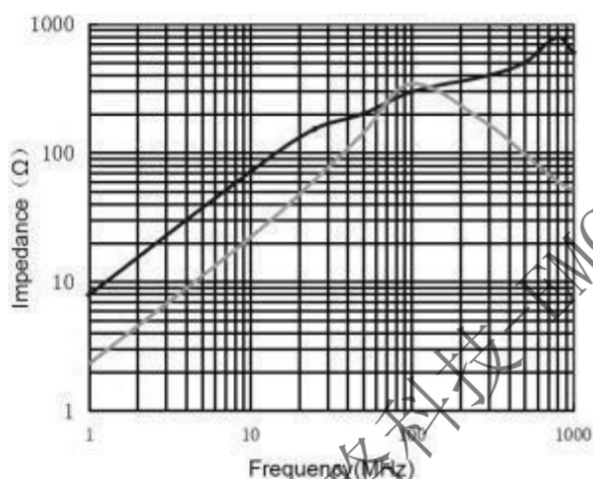
- ① Type : TLDCM
- ② External Dimensions (L×H)(mm) : 7.0mm×3.5mm
- ③ Number of Lines : 2
- ④ Impedance : 501=500Ω
- ⑤ Packing : Tape & Reel
- ⑥ Hazardous Substance Free Products : F
- ⑦ Design Code : TA

Electrical Characteristics

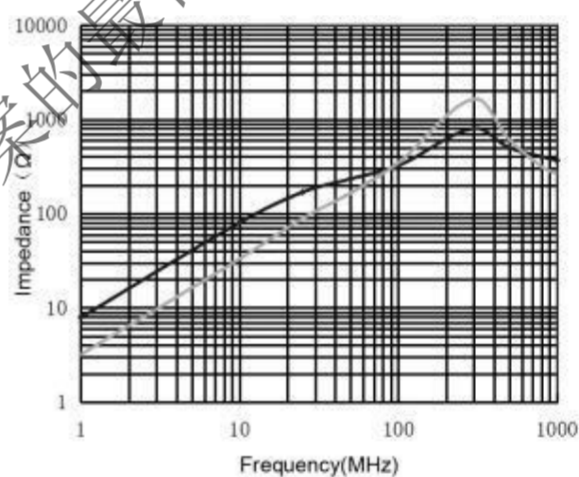
Part Number	Impedance(Ω) @100MHz		DC Resistance (m Ω) Max	Rated Current (A) Max	Rated Voltage (V) Max	Insulation Resistance(M Ω)
	MIN	TYP				
TLDCM7035-2-101TF-TA	100	140	10	9.0	125	10
TLDCM7035-2-301TF-TA	225	300	10	5.0	125	10
TLDCM7035-2-501TF-TA	275	500	10	5.0	125	10
TLDCM7035-2-701TF-TA	500	700	15	4.0	125	10
TLDCM7035-2-102TF-TA	800	1000	17	3.0	125	10
TLDCM7035-2-132TF-TA	910	1300	21	2.5	125	10
TLDCM7035-2-222TF-TA	1400	2200	63	1.2	125	10
TLDCM7035-2-302TF-TA	2500	3000	75	0.9	125	10

Characteristics(Reference)

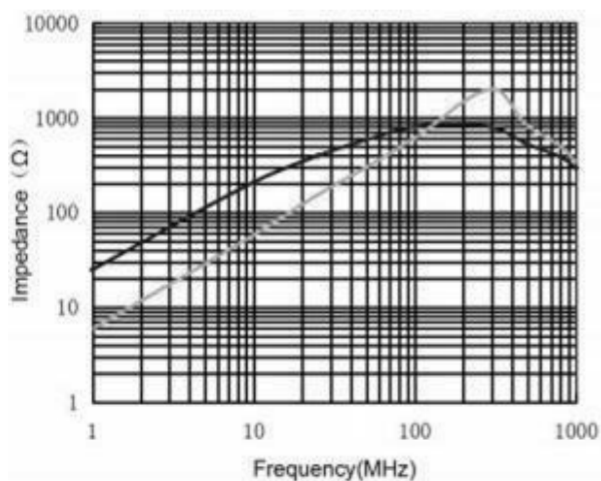
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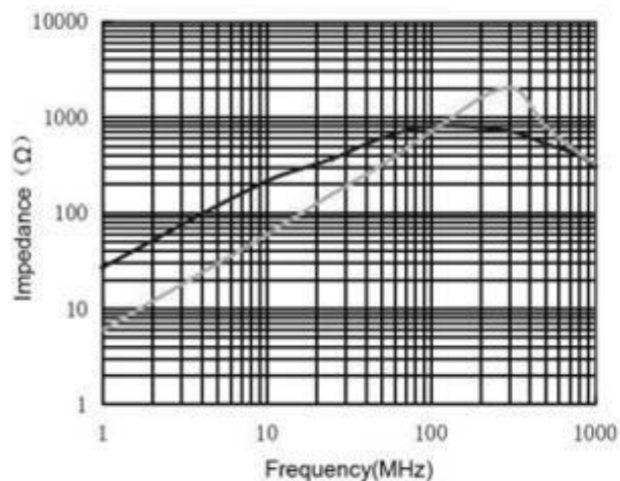
TLDCM7035-2-301TF-TA



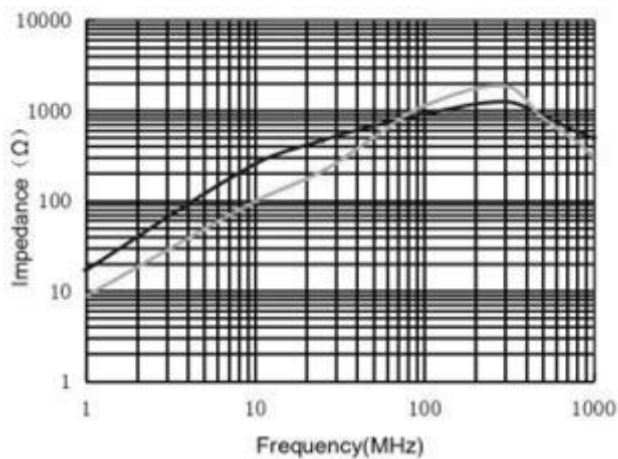
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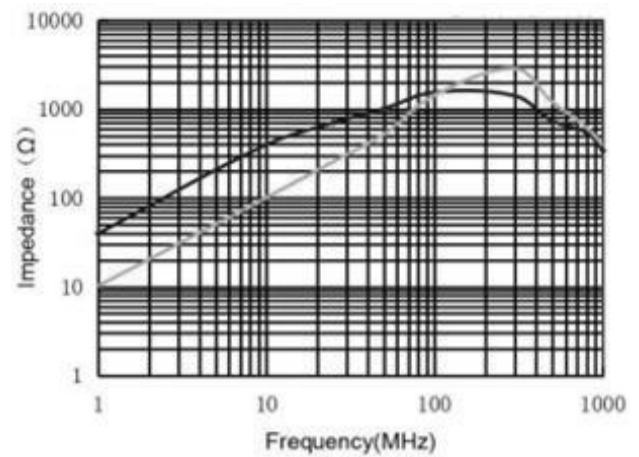
TLDCM7035-2-701TF-TA



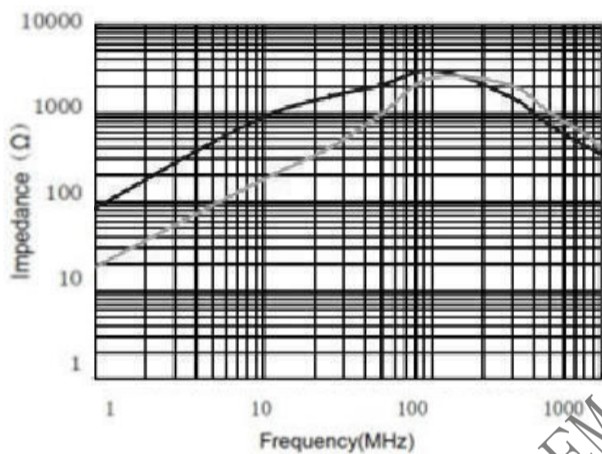
TLDCM7035-2-102TF-TA



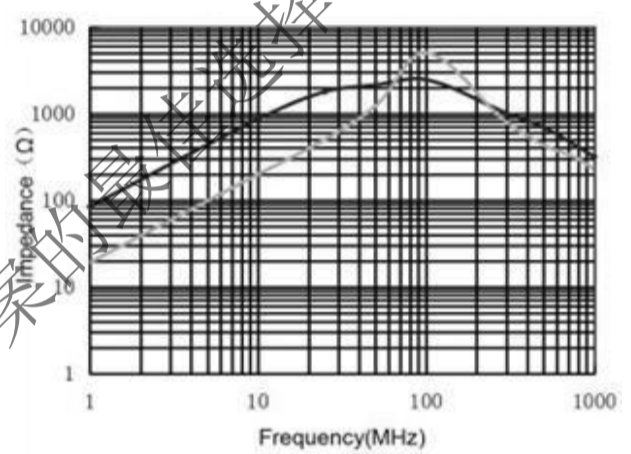
TLDCM7035-2-132TF-TA



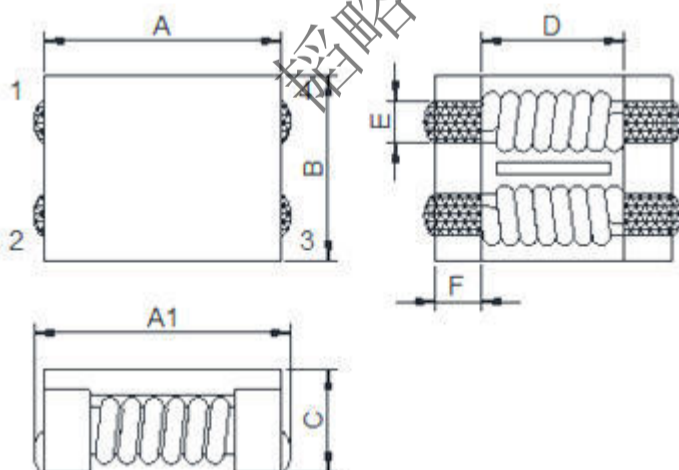
TLDCM7035-2-222TF-TA



TLDCM7035-2-302TF-TA

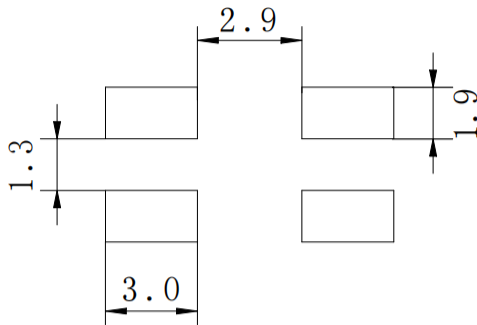


Dimension

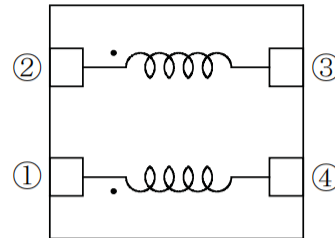


TYPE	TLDCM7035
A	7.0±0.5
A1	7.5±0.5
B	6.0±0.5
C	3.8Max
D	3.5Typ
E	1.5Typ
F	1.7Typ

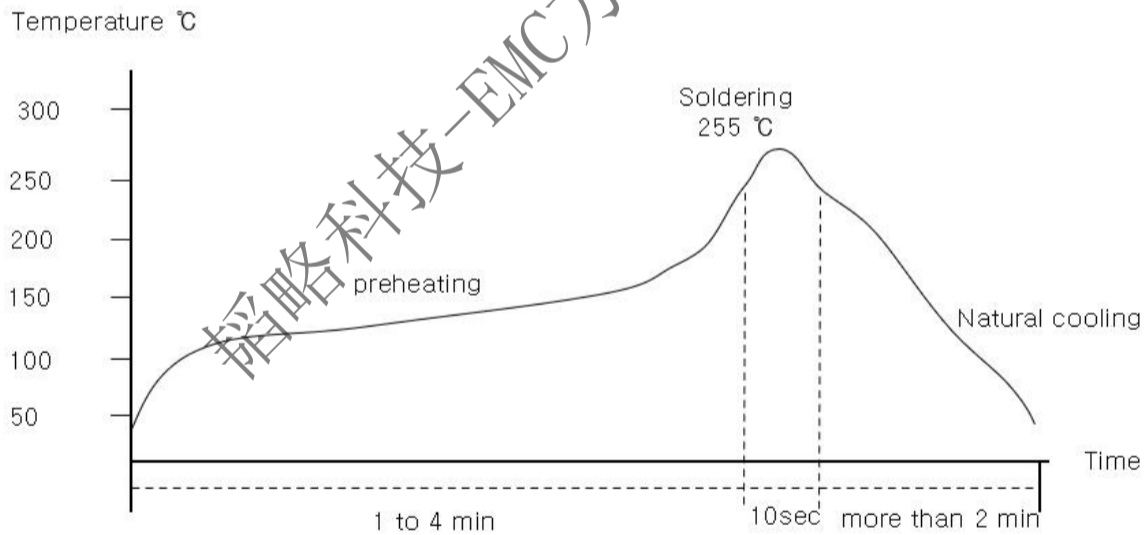
Land Pattern (mm)



Schematics (Bottom)



Reflow Profile For Solder Heat Resistance



CONTACT INFORMATION

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