

TLDCM4525 Series

DC COMMON MODE FILTER

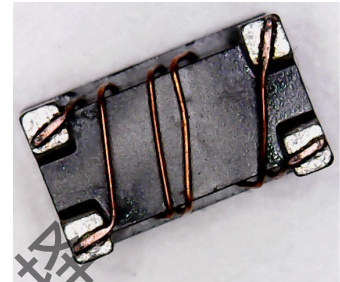
TOP-EMC

GENERALS

This specification covers the engineering requirements for the TLDCM4525 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.



APPLICATIONS

Radiation noise suppression for power line (DVC, DVD cam, DSC, etc.)

TEMPERATURE RANGES

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

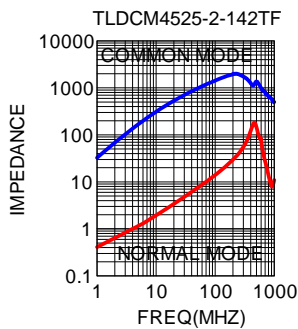
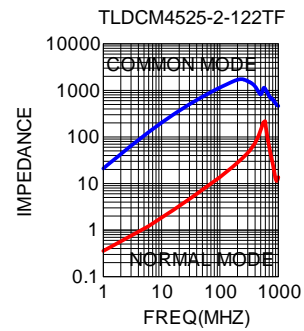
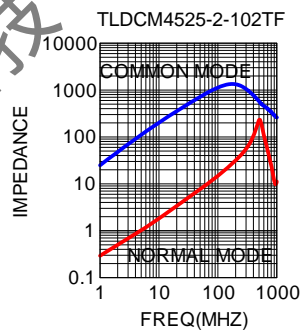
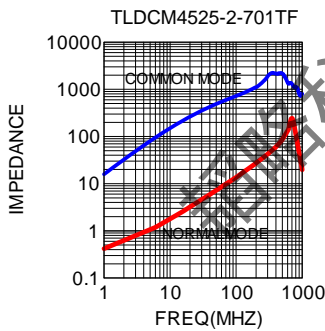
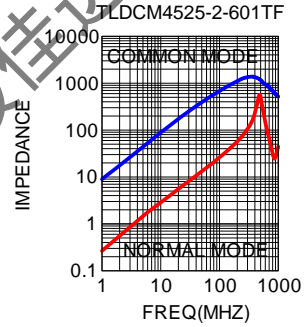
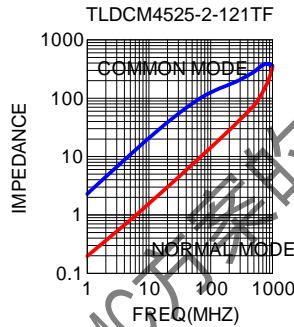
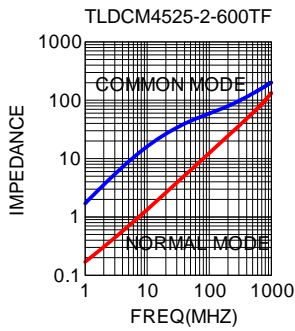
Part Number System

TLDCM 4525 - 2 - 601 T F
① ② ③ ④ ⑤ ⑥

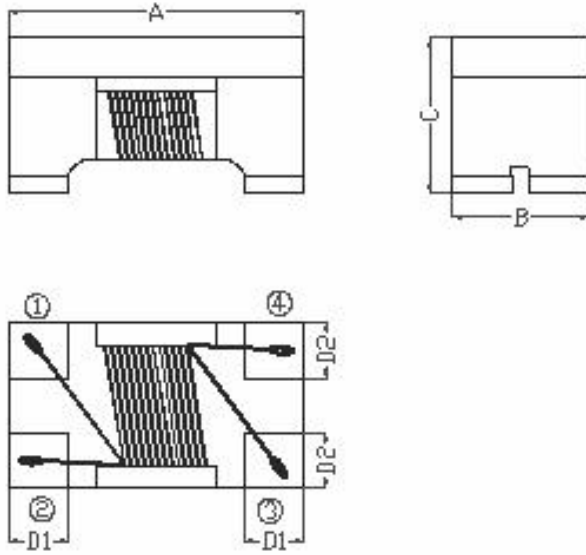
- ① Type: TLDCM
- ② External Dimensions (W×T) (mm): 4.5×2.0mm
- ③ Number of Lines: 2
- ④ Impedance :601=600 Ω
- ⑤ Packing: Tape & Reel
- ⑥ Hazardous Substance Free Products :F

ELECTRICAL CHARACTERISTICS

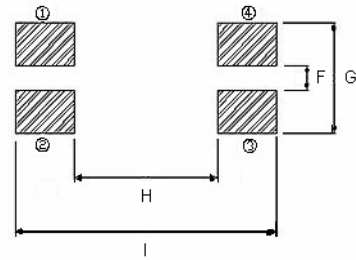
Sunnycoil Part Name	Impedance Z (Ω) TYP. @ 100 MHz	Tolerance ±%	DC Resistance (Ω)max	Rated Current (A)max
TLDCM4525-2-600TF	60	25	0.10	3.0
TLDCM4525-2-121TF	120	25	0.20	2.0
TLDCM4525-2-601TF	600	25	0.30	1.5
TLDCM4525-2-701TF	700	25	0.15	2.0
TLDCM4525-2-102TF	1000	25	0.40	1.0
TLDCM4525-2-122TF	1200	25	0.40	1.0
TLDCM4525-2-142TF	1400	25	0.40	1.0



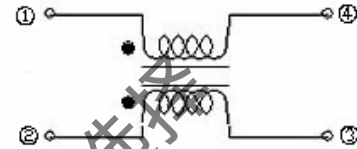
Dimensions (mm)



Land Pattern (mm)



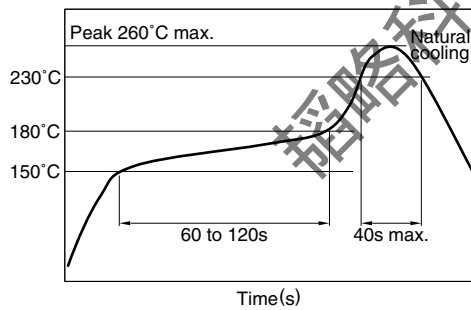
Schematics (Bottom)



SIZE CODE	A	B	C	D1 TYP	D2 TYP	F TYP	G TYP	H TYP	I TYP
4525 (1810)	4.80±0.20 (0.189±0.008)	2.80±0.20 (0.110±0.008)	2.20±0.20 (0.087±0.008)	0.75 (0.030)	0.75 (0.030)	1.05 (0.041)	2.95 (0.116)	3.50 (0.138)	6.00 (0.236)

UNIT:mm (inch)

REFLOW PROFILE FOR SOLDER HEAT RESISTANCE



CONTACT INFORMATION

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