TDLW Series　(Rev. 1.0)

A full series of common mode choke is designed for excellent noise attenuation with compact sizing for use in wide range of applications.

Both standard series and custom designs are available.

Features

* RoHS compliant
* Miniature SMD type common mode filter for fully automated assembly
* Excellent solderability

Applications

* USB line for personal computers and periphera
* IEEE 1394 line for personal computers, DVC, STB
* LVDS, panel line for liquid display panels, graph card,etc.

Product Identification

TDLW	**0502**	-	**501**	**T**
1	2		3	4

1. Product Code
2. Size Code
3. Impedance: 500ohm @100MHz
4. Tolerance: T=Typical

Operating & Storage Condition

* Operating Temp : -55 to +125°C
* Storage Temp : -25 to +35°C
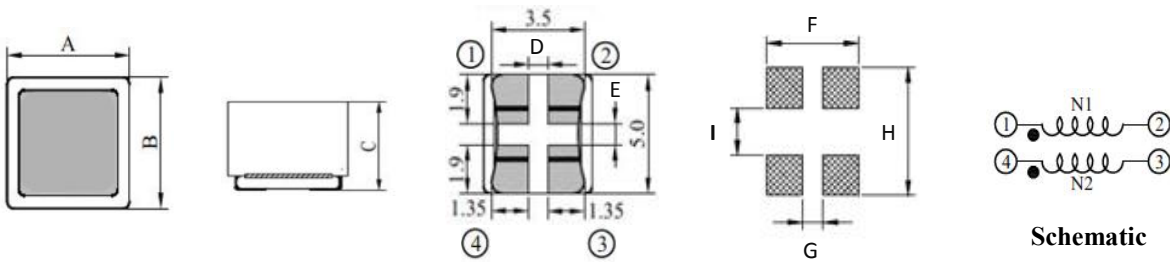* Storage Life Time: 12 Months @25°C , RH 65%

Test Equipment

* HP4284A,HP42841A-L,IDC,RDC
* HP4287A - Impedance
* HP8753E - HP8753D Network Analyzer

Standard Atmospheric Conditions

* Ambient Temp : 20±15°C
* Relative Humidity : 65±20%

Dimension & Recommended PAD Layout: [mm]

Schematic

Size Code	A(±0.2)	B(±0.2)	C(max.)	D(typ.)	E(typ.)	F(ref.)	G(ref.)	H(ref.)	I(ref.)
0502	4.8	5.0	2.5	1.0	1.2	4.0	0.8	5.5	1.0
0504	4.8	5.0	4.5	1.0	1.2	4.0	0.8	5.5	1.0

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Electrical Characteristics

P/N	Impedance @100Mhz (Ω) typ.	Rated Voltage (VDC) max.	DCR ($m\Omega$) max.	IDC (A) max.	IR ($M\Omega$) min.
TDLW0502-101T	100	50	13	6.0	10
TDLW0502-251T	250	50	20	5.0	10
TDLW0502-501T	500	50	27	4.0	10
TDLW0502-102T	1000	50	34	2.0	10
TDLW0502-142T	1400	50	56	1.5	10
TDLW0502-152T	1500	50	56	1.5	10
TDLW0504-191T	190	50	20	5.0	10
TDLW0504-351T	350	50	40	2.0	10
TDLW0504-102T	1000	50	60	1.5	10
TDLW0504-152T	1500	50	100	1.0	10
TDLW0504-302T	3000	50	200	0.5	10
TDLW0504-402T	4000	50	300	0.2	10

* IDC: $\Delta T=40°C$ Typ.

TDLW Series （Rev. 1.0）
CHARACTERISTICS(REFERENCE)
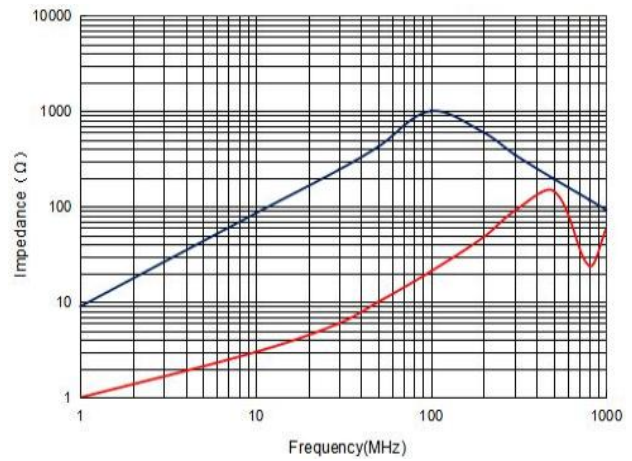
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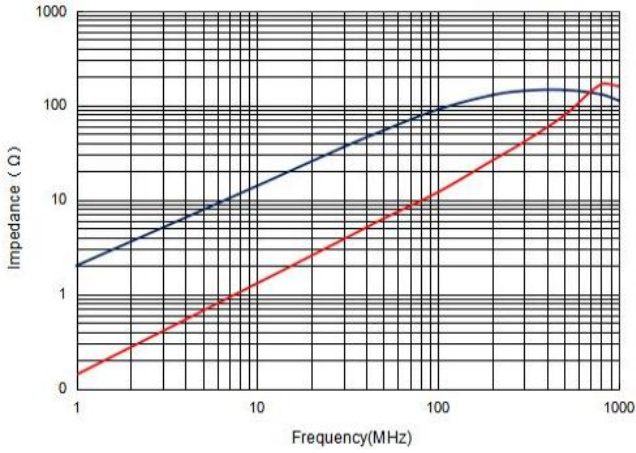
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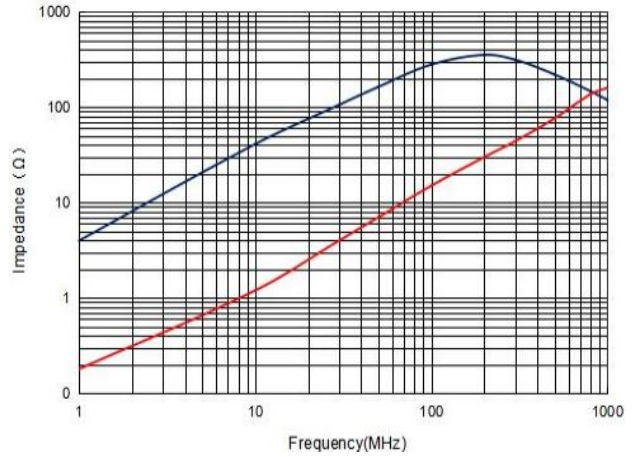
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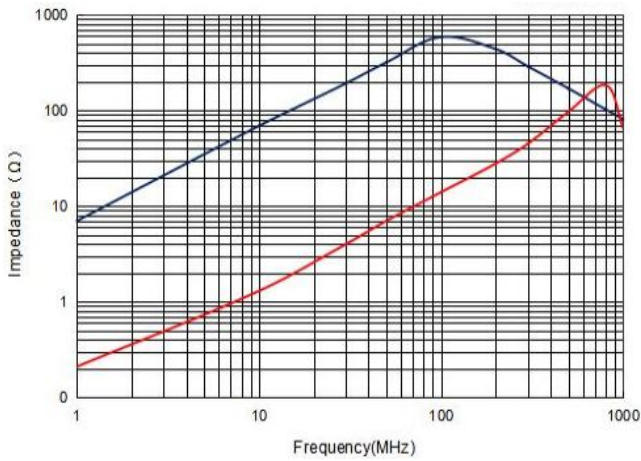
TDLW0502-102T

TDLW0502-142T&152T

—— Common Mode   —— Differential Mode
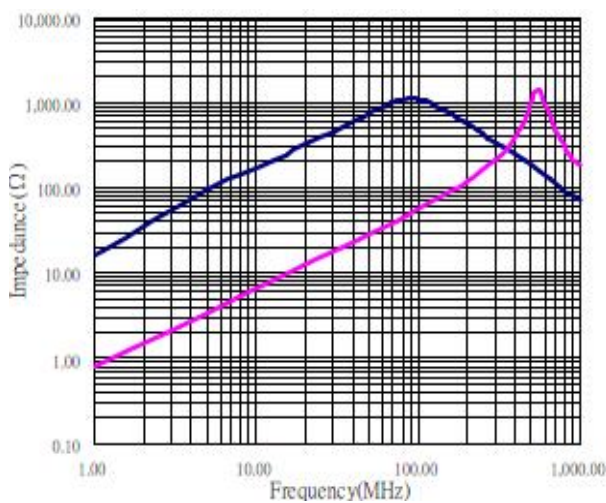
SPECIFICATION
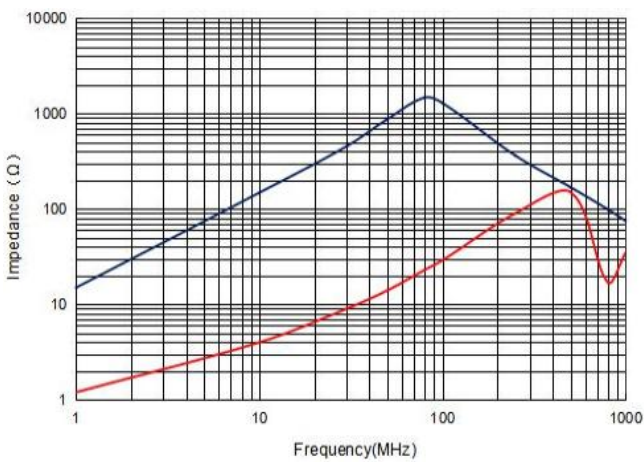
TDLW Series　(Rev. 1.0)
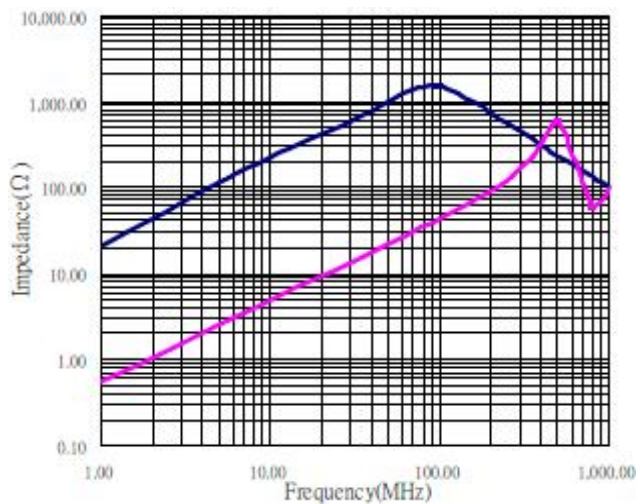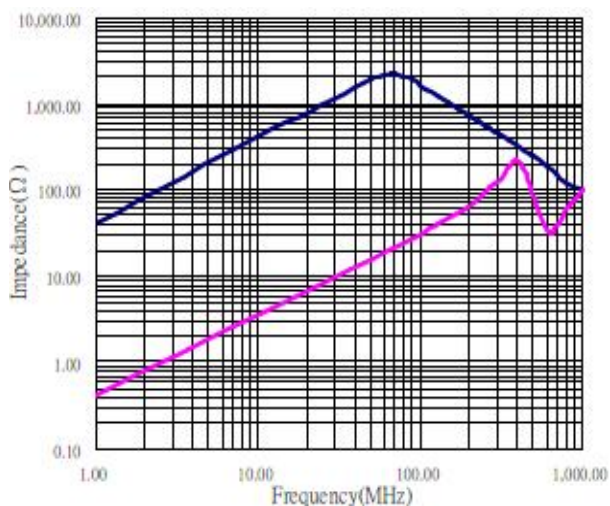### CHARACTERISTICS(REFERENCE)

TDLW0504-191T
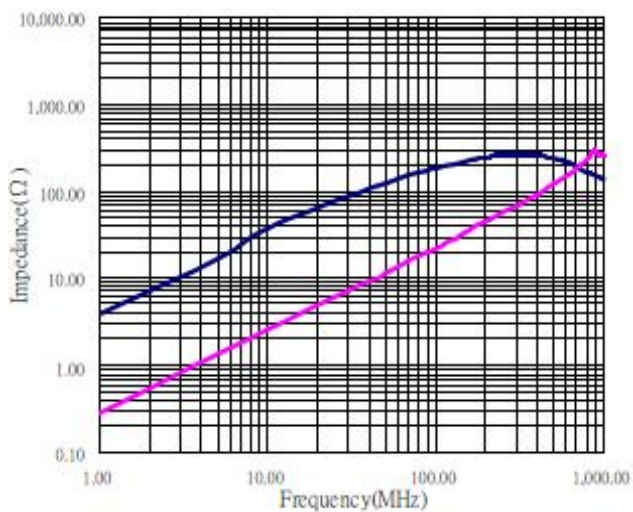
TDLW0504-102T

TDLW0504-152T

TDLW0504-302T

— Common Mode　— Differential Mode

深圳市长进科技有限公司　SHENZHEN CHANGJIN TECHNOLOGY CO., LTD.