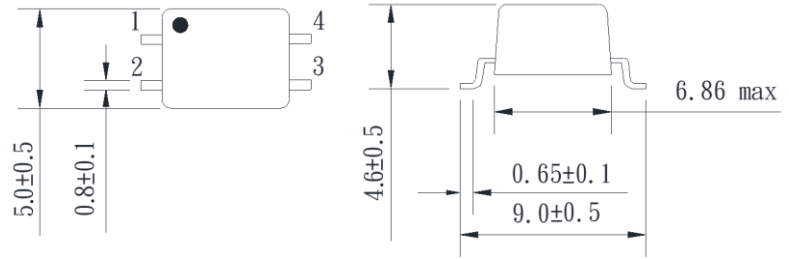
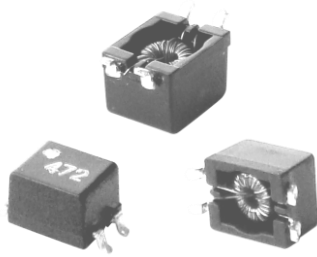


Common Mode Filters - YT006T Series

EXTERNAL DIMENSIONS

(Unit: mm)



Part Number	Common Mode Impedance (Ω Max)	OCL (μ H)	Test Frequency (KHz)	Rated Current (A) Max.	DC Resistance (Ω) Max.	Withstanding Voltage	Circuit Fig
YT006T-100CS	1000	10±30%	100	1.6	0.08	AC500V/3mA/3S	1
YT006T-100CS-S	1000	10±30%	100	1.6	0.08	AC500V/3mA/3S	2
YT006T-250CS	2800	25±30%	100	1.0	0.12	AC500V/3mA/3S	1
YT006T-250CS-S	2800	25±30%	100	1.0	0.12	AC500V/3mA/3S	2
YT006T-400CS	3100	40±30%	100	0.9	0.25	AC500V/3mA/3S	1
YT006T-400CS-S	3100	40±30%	100	0.9	0.25	AC500V/3mA/3S	2
YT006T-510CS	5500	51±30%	100	1.0	0.16	AC500V/3mA/3S	1
YT006T-510CS-S	5500	51±30%	100	1.0	0.16	AC500V/3mA/3S	2
YT006T-251CS	1800	250±50%	100	1.2	0.13	AC500V/3mA/3S	1
YT006T-501CS	3300	500±50%	100	1.0	0.15	AC500V/3mA/3S	1
YT006T-102CS	6000	1000±50%	100	0.8	0.31	AC500V/3mA/3S	1
YT006T-202CS	9200	2000±50%	100	0.6	0.42	AC500V/3mA/3S	1
YT006T-472CS	-----	4700±50%	100	0.5	0.75	AC500V/3mA/3S	1
YT006T-652CS	-----	6500±50%	10	0.4	0.95	AC500V/3mA/3S	1

Test Equipment and Conditions

- Impedance measured using HP-4291B impedance analyzer with HP-16092 test fixture.
- DC Resistance with CH-16502A meter.
- OCL with HP-4284A.
- Withstanding Voltage with CH-19073.
- Operating temperature : -40°C~ +125°C.

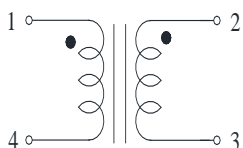
Features

- Optimal common mode filter for removing noise without straining the transmission signal and for transmitting High-quality signals.
- Optimal countermeasure for common mode noise induced during data transmission for digital signal processing such as in PCs and telephones.
- SMD type structure makes it optimal for surface mounting.
- Up to 2A current is allowable, so it can be used as a noise countermeasure for power supply lines.

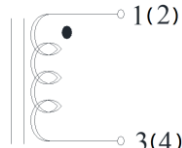
Applications

- PCs, telephones, LANs, ISDNs, digital PBXs, game machines, CTVs, CD-ROMs, 8mm video cassette recorders

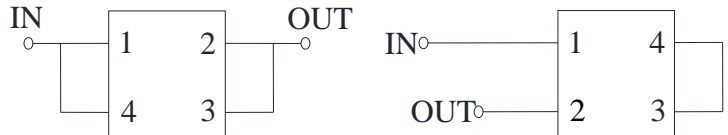
Schematic Fig1:



Schematic Fig2:



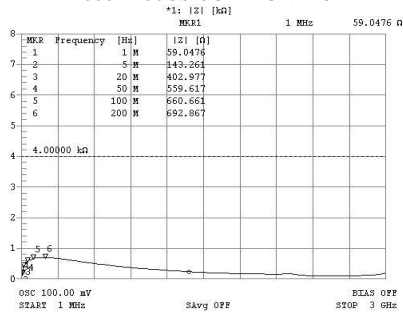
Test Mode:



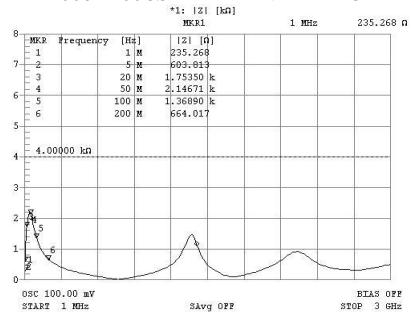
SMT

Impedance vs. Frequency

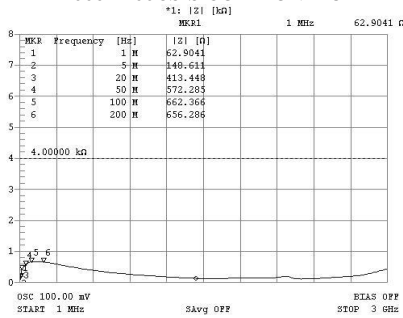
YT006T-100CS COMMON MODE



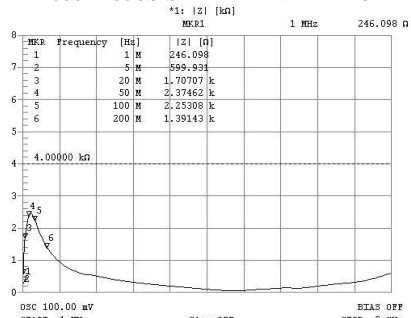
YT006T-100CS DIFFERENTIAL MODE



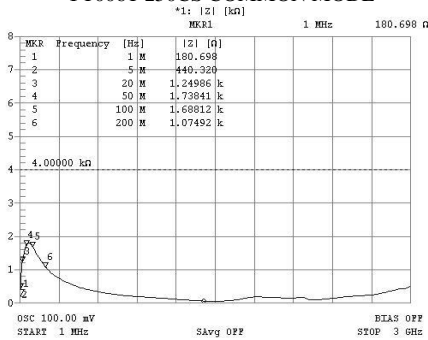
YT006T-100CS-S COMMON MODE



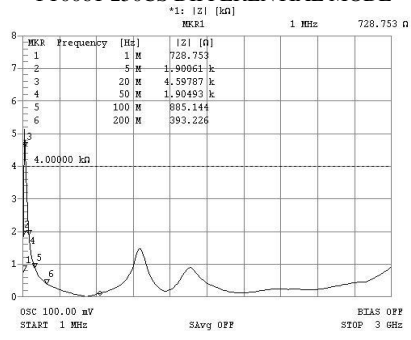
YT006T-100CS-S DIFFERENTIAL MODE



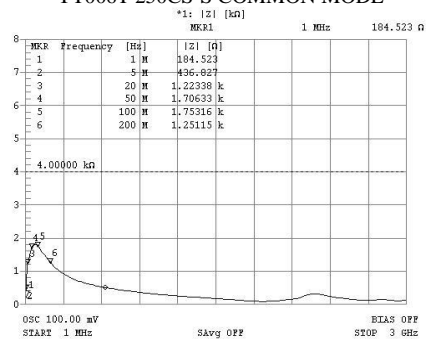
YT006T-250CS COMMON MODE



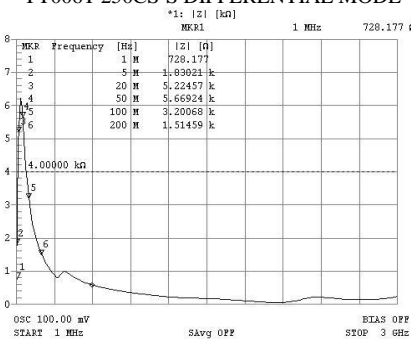
YT006T-250CS DIFFERENTIAL MODE



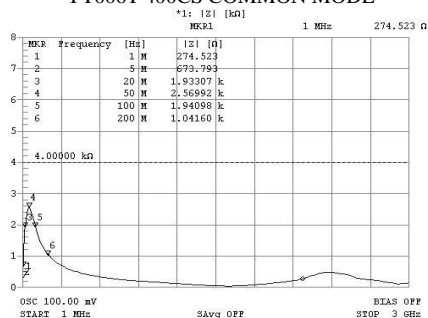
YT006T-250CS-S COMMON MODE



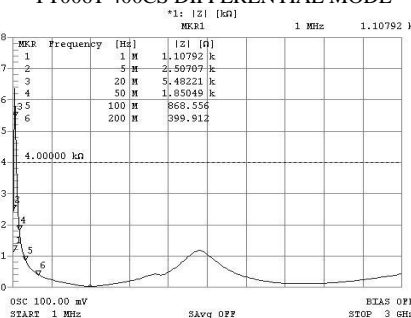
YT006T-250CS-S DIFFERENTIAL MODE



YT006T-400CS COMMON MODE



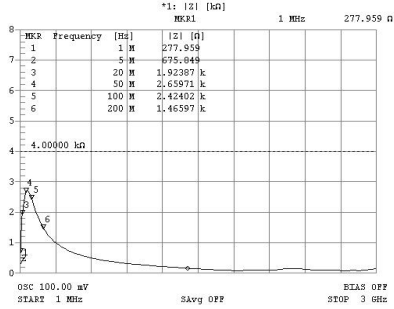
YT006T-400CS DIFFERENTIAL MODE



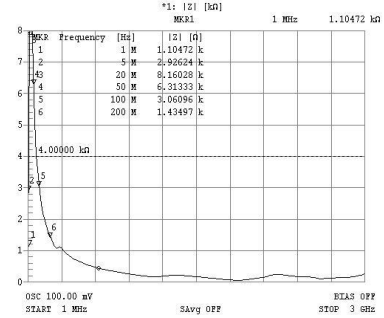
Common Mode Choke - YT006T Series

Impedance vs. Frequency

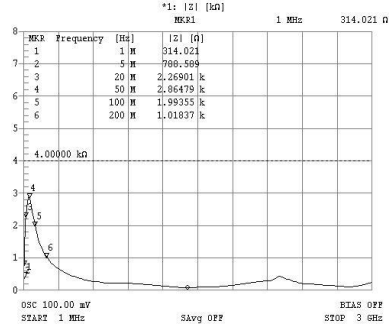
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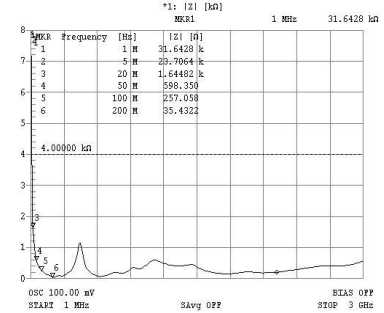
YT006T-400CS-S DIFFERENTIAL MODE



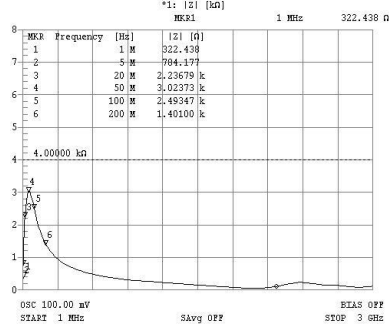
YT006T-510CS COMMON MODE



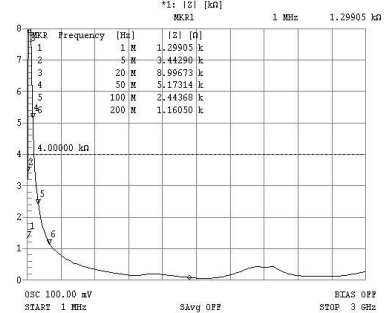
YT006T-510CS DIFFERENTIAL MODE



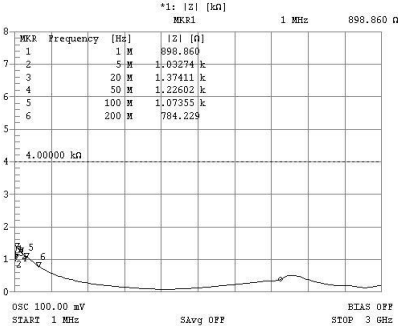
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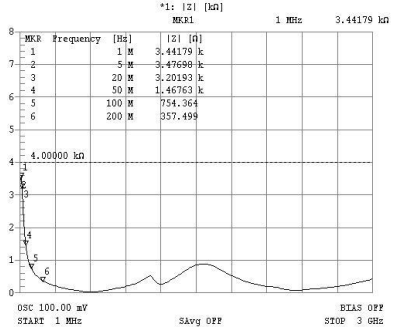
YT006T-510CS-S DIFFERENTIAL MODE



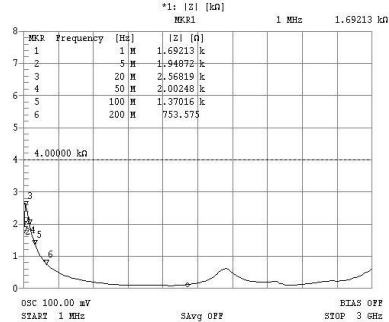
YT006T-251CS COMMON MODE



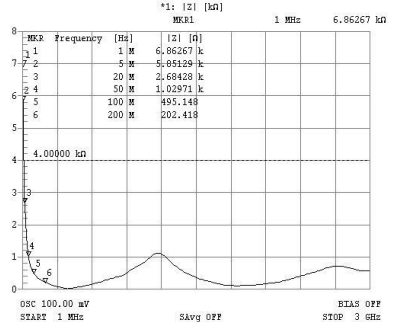
YT006T-251CS DIFFERENTIAL MODE



YT006T-501CS COMMON MODE



YT006T-501CS DIFFERENTIAL MODE



SMT