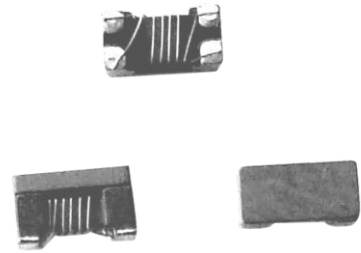
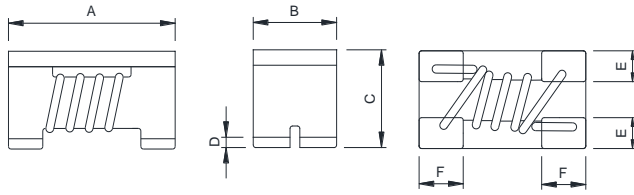


Common Mode Choke – YFD2012ST Series

EXTERNAL DIMENSIONS

(Unit: mm)



TYPE	A	B	C	D	E	F
YFD2012ST	2.00±0.2	1.20±0.2	1.20±0.2	0.20±0.1	0.40 Typ.	0.45 Typ.

Part Number	Z(Ω) Common Mode Impedance at 100MHz	Idc(mA) (Max.)	DCR(Ω) (Max.)	Rated Voltage Vdc (V)Typ.	Characteristic Resistance (Ω)	Insulation Resistance (MΩ)Min.	Cut-off Frequency (GHz)Typ.
YFD2012ST-120-1S	12	420	0.25	20	100	10	7.5
YFD2012ST-240-1S	24	420	0.25	20	100	10	7.5
YFD2012ST-250-1S	25	420	0.22	20	100	10	7.5
YFD2012ST-320-1S	32	400	0.25	20	100	10	7.5
YFD2012ST-600-1S	60	300	0.30	20	100	10	7.5
YFD2012ST-900-1S	90	300	0.30	20	100	10	7.5

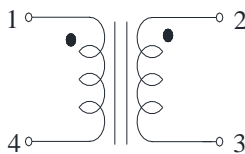
Features

- These are a series of broadband common mode filters developed for high-speed differential signal interfaces, such as DVI and HDMI™.
- The characteristic impedance is approximated to 100Ω, conforming to the TDR standard for HDMI™.

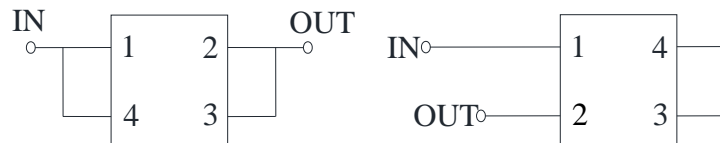
Applications

- For digital video signal interfaces DVI (UXGA) used in PCs and other devices/High-speed differential signal interfaces for USB 3.0, IEEE1394 and Serial ATA.

Schematic



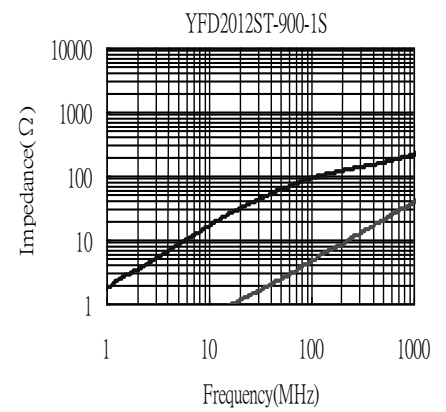
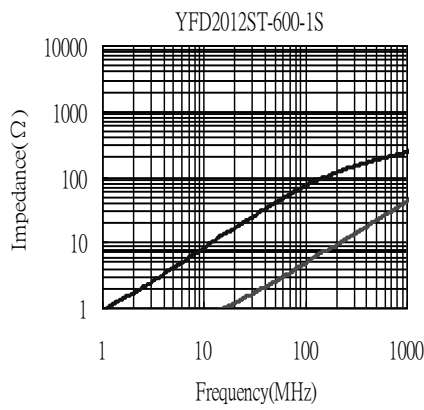
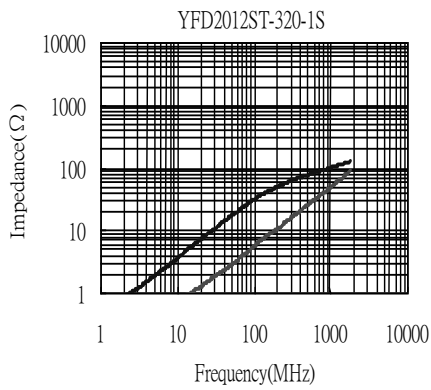
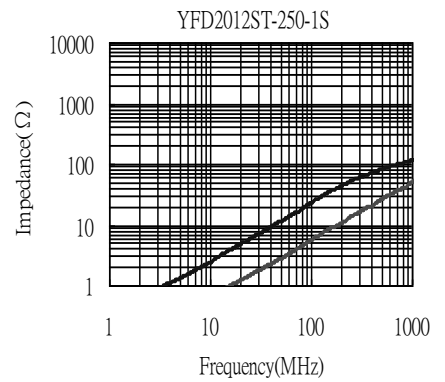
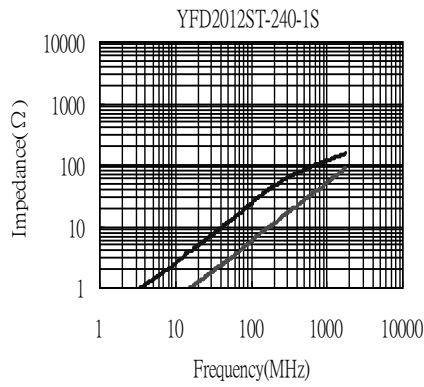
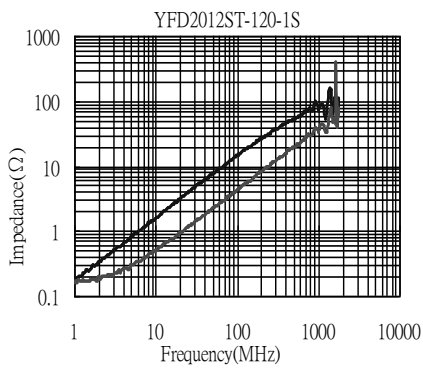
Test Mode



SMT

Common Mode Choke – YFD2012ST Series

Impedance vs. Frequency



SMT