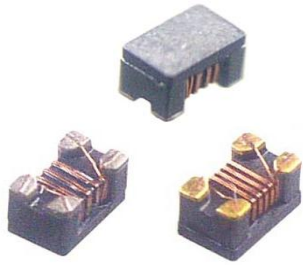


Common Mode Choke HFD 2012-3216 Series



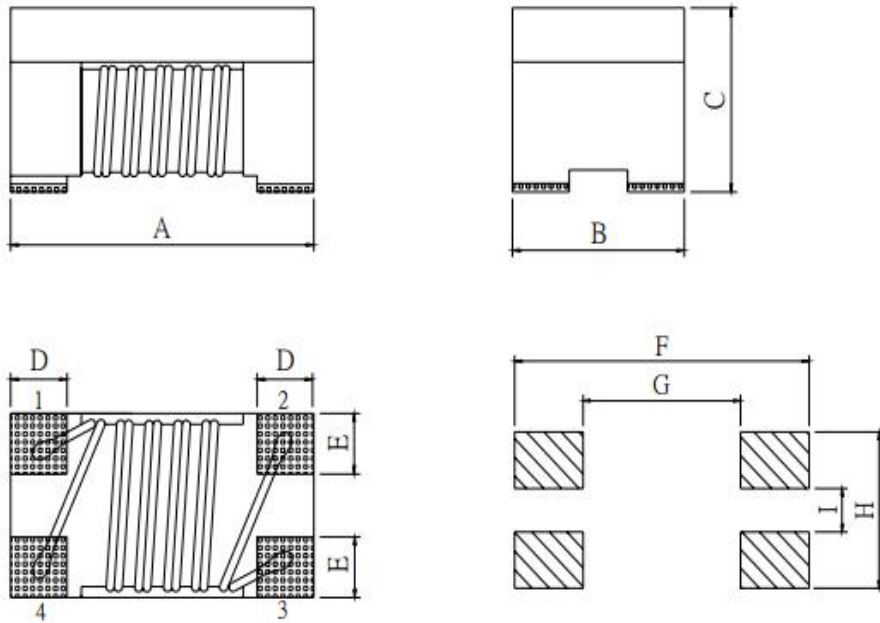
Features

- Effective in high frequency noise suppression
- The common mode choke coil structure and without degrading the signal
- Small Size, Easy to use

Application

- Notebook, USB, HUB

Configurations & Dimensions



Dimensions

Chip Size

Units:mm

TYPE	A	B	C	D	E	F	G	H	I
HFD2012	2.0±0.2	1.2±0.2	1.2±0.2	0.45	0.4	2.6	0.8	1.3	0.4
HFD3216	3.2±0.2	1.6±0.2	1.9±0.2	0.6	0.6	3.7	1.6	1.6	0.4

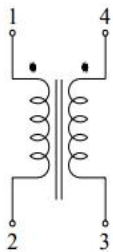
Common Mode Choke HFD 2012 Series



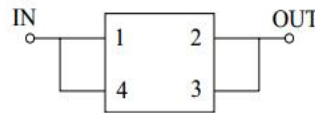
Specifications HFD2012

Part Number	Common Mode Impedance @100MHz Min (Typ)	Rated Current (A) max	DCR (Ω) max	Rated Voltage	Rated Voltage V(DC)	Insulation Resistance (M Ω) min
HFD2012-300	21 Ω (30 Ω)	0.40	0.25	50	125	10
HFD2012-420	29 Ω (42 Ω)	0.40	0.25	50	125	10
HFD2012-670	47 Ω (67 Ω)	0.40	0.25	50	125	10
HFD2012-900	63 Ω (90 Ω)	0.33	0.35	50	125	10
HFD2012-121	84 Ω (120 Ω)	0.37	0.30	50	125	10
HFD2012-181	126 Ω (180 Ω)	0.33	0.35	50	125	10
HFD2012-221	154 Ω (220 Ω)	0.33	0.35	50	125	10
HFD2012-261	182 Ω (260 Ω)	0.30	0.40	50	125	10
HFD2012-301	210 Ω (300 Ω)	0.30	0.40	50	125	10
HFD2012-371	259 Ω (370 Ω)	0.28	0.45	50	125	10
HFD2012-501	350 Ω (500 Ω)	0.25	0.50	50	125	10

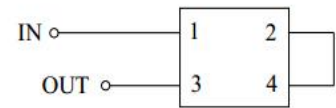
Circuit:



Test Mode:

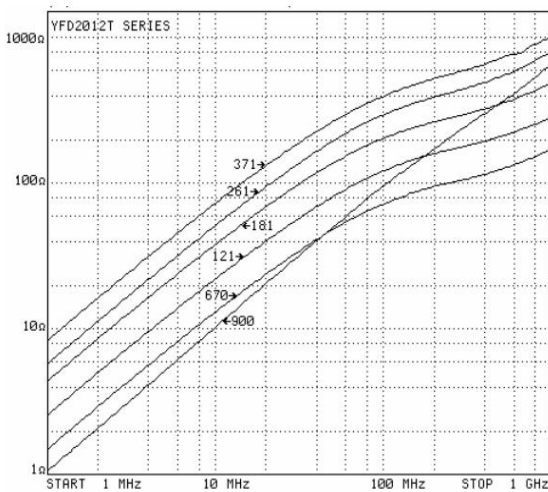


COMMON MODE

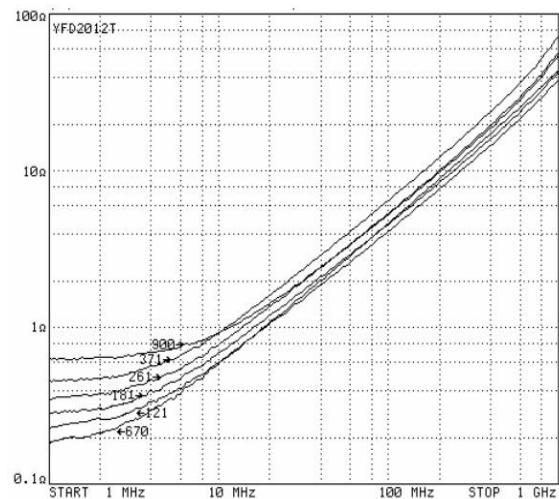


NORMAL MODE

Impedance & Frequency



COMMON MODE



NORMAL MODE

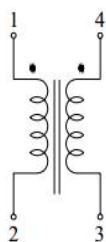
Common Mode Choke HFD 3216 Series



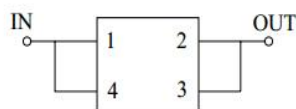
Specifications HFD3216

Part Number	Common Mode Impedance @100MHz Min (Typ)	Rated Current (A) max	DCR (Ω) max	Rated Voltage	Rated Voltage V (DC)	Insulation Resistance ($M\Omega$) min
HFD3216-900	63 Ω (90 Ω)	0.37	0.30	50	125	10
HFD3216-161	112 Ω (160 Ω)	0.34	0.40	50	125	10
HFD3216-261	182 Ω (260 Ω)	0.31	0.50	50	125	10
HFD3216-601	420 Ω (600 Ω)	0.26	0.80	50	125	10
HFD3216-102	700 Ω (1000 Ω)	0.23	1.00	50	125	10
HFD3216-222	1540 Ω (2200 Ω)	0.20	1.20	50	125	10

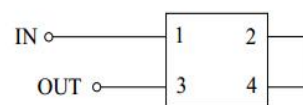
Circuit:



Test Mode:

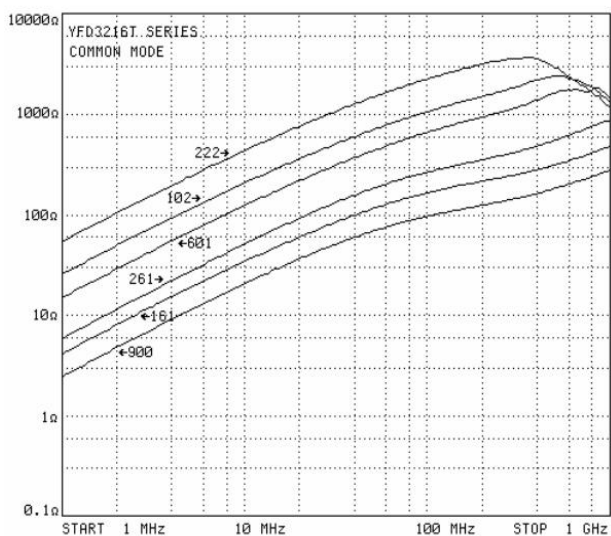


COMMON MODE

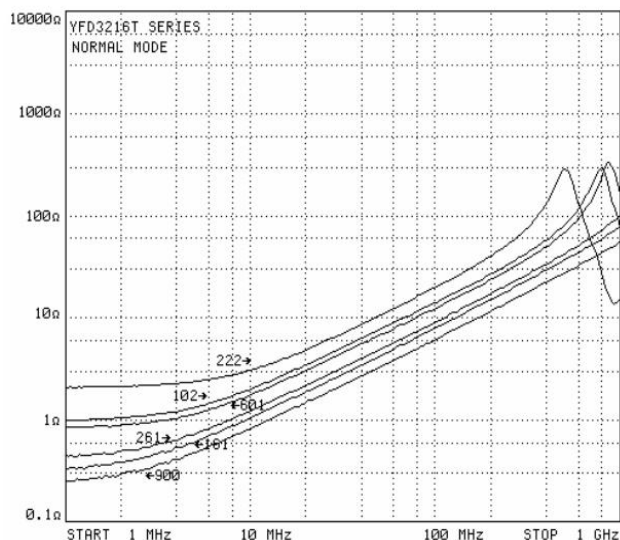


NORMAL MODE

Impedance & Frequency



COMMON MODE



NORMAL MODE