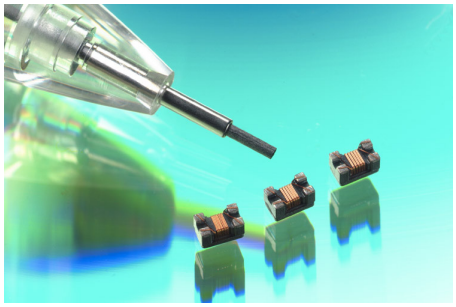
NT2012 Series

WIREWOUND COMMON MODE FILTER

DESCRIPTION

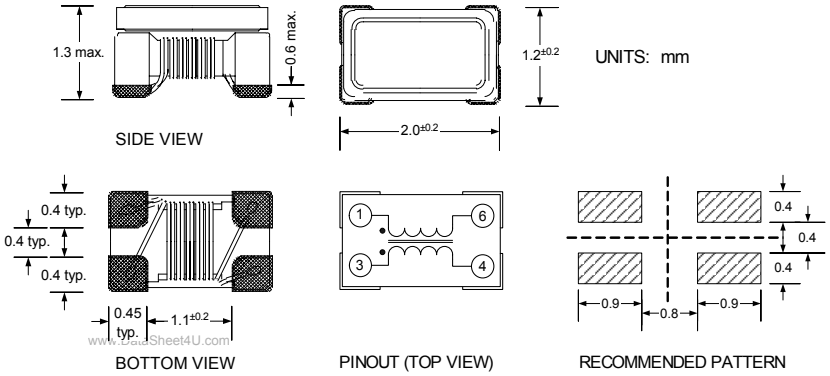
The TOKO NT2012 is a wirewound miniature common mode filter specifically designed to eliminate common mode noise in USB 2.0, IEEE1394, LVDS, DVI, and HDMI applications. A dual winding configuration in a tight form factor provides exceptional EMI reduction in space-constrained environments.



FEATURES

- Miniature footprint: 2.0 x 1.2mm
- Low profile: 1.3mm max.
- Operating temperature: -30°C to +85°C
- Packaged on 2000 piece reels
- Reflow solderable

DIMENSIONS



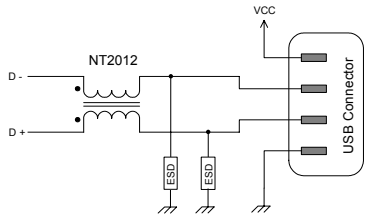
ELECTRICAL SPECIFICATIONS

TOKO Part No.	Common Mode Impedance (Ω) typ.		Common Mode Attenuation (dB)			IDC (A) max.	DCR (Ω) max.
	10MHz	100MHz	10MHz	100MHz	500MHz		
985DH-1022=P2	7	67	1.0 max.	5.0 max.	5.0 min.	0.42	0.16
985BH-1007=P2	10	90	1.0 max.	1.5 min.	8.0 min.	0.33	0.26
985DH-1023=P2	14	120	1.0 max.	2.0 min.	7.0 min.	0.37	0.21
985AH-1001=P2	18	165	1.2 max.	4.0 min.	11.0 min.	0.33	0.26
985DH-1024=P2	18	180	1.2 max.	3.0 min.	10.0 min.	0.33	0.26
985DH-1025=P2	28	260	1.5 max.	6.0 min.	14.0 min.	0.31	0.31
985DH-1026=P2	38	370	2.0 max.	6.5 min.	15.0 min.	0.28	0.36

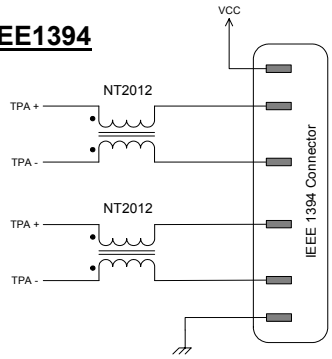
Note: "=P2" is added to each part number to indicate tape and reel packaging.

APPLICATION EXAMPLES

USB 2.0

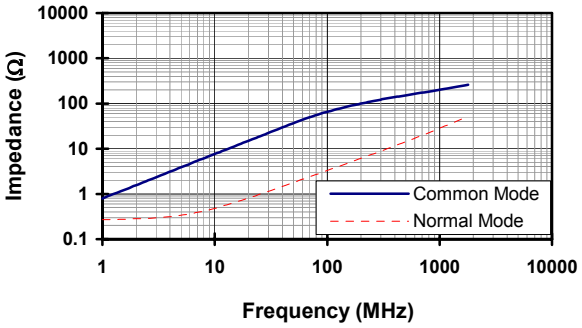


IEEE1394

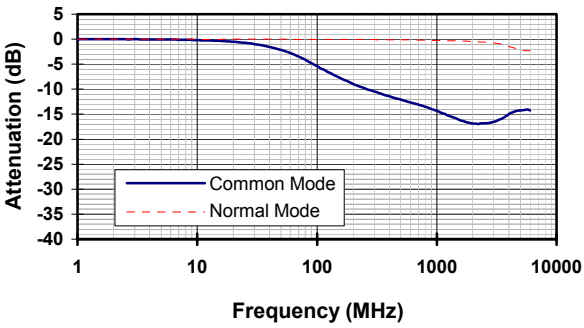


TYPICAL CHARACTERISTICS

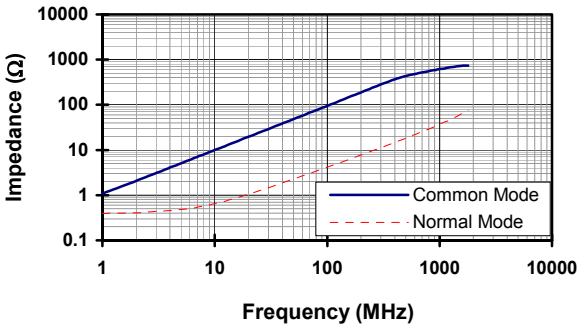
Impedance Response of 985DH-1022



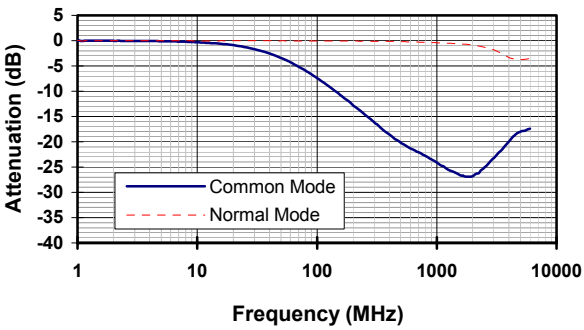
Attenuation Characteristics of 985DH-1022



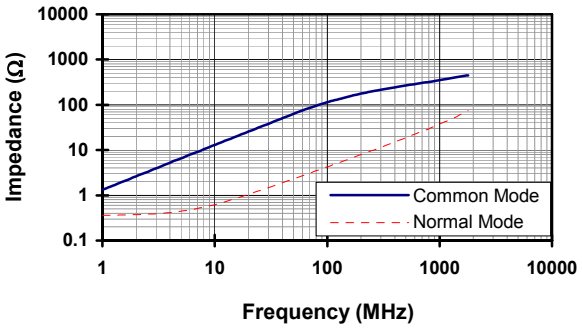
Impedance Response of 985BH-1007



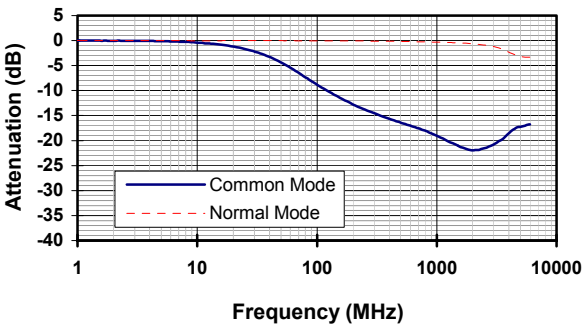
Attenuation Characteristics of 985BH-1007



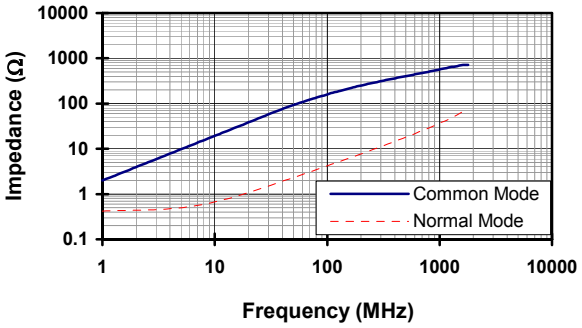
Impedance Response of 985DH-1023



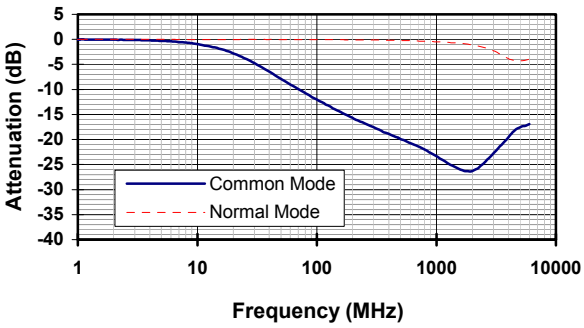
Attenuation Characteristics of 985DH-1023



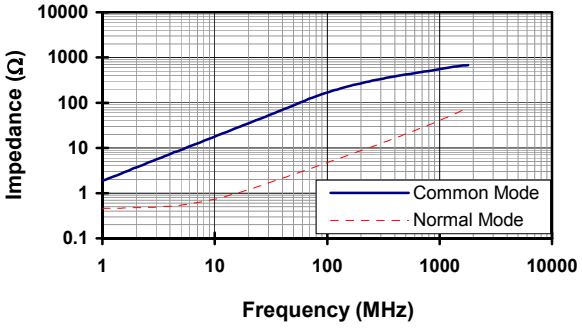
Impedance Response of 985AH-1001



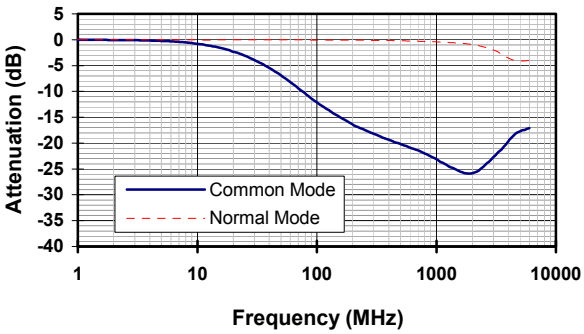
Attenuation Characteristics of 985AH-1001



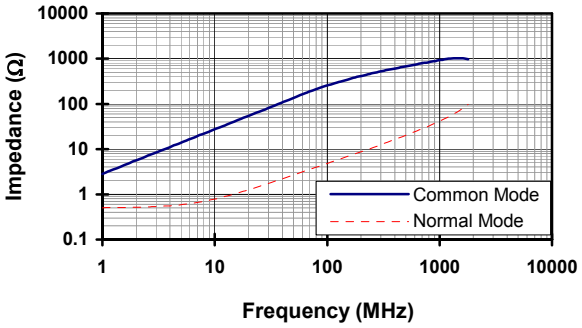
Impedance Response of 985DH-1024



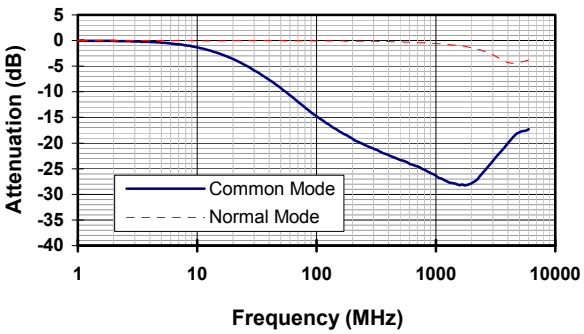
Attenuation Characteristics of 985DH-1024



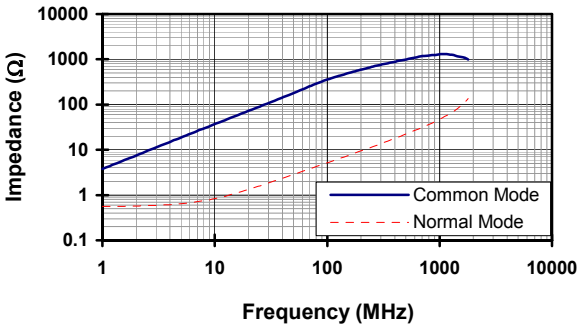
Impedance Response of 985DH-1025



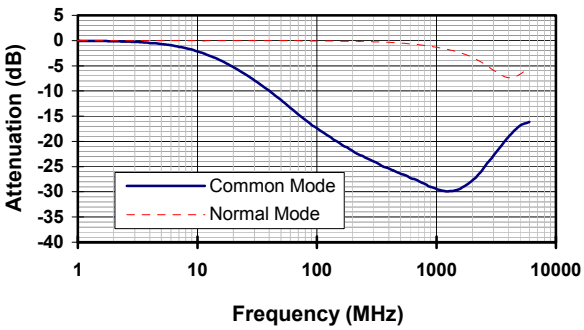
Attenuation Characteristics of 985DH-1025



Impedance Response of 985DH-1026



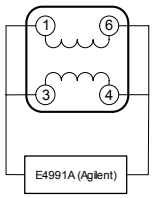
Attenuation Characteristics of 985DH-1026



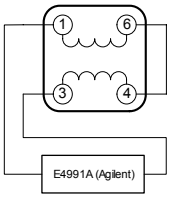
TEST CONDITIONS

Impedance vs. Frequency

TEST CIRCUIT (COMMON MODE)

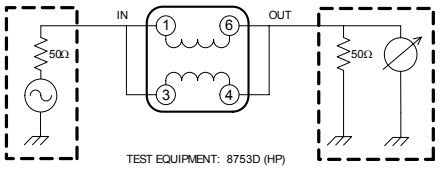


TEST CIRCUIT (NORMAL MODE)

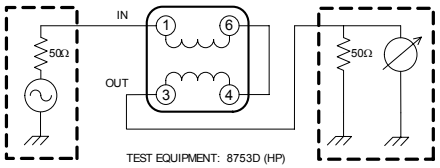


Attenuation vs. Frequency

TEST CIRCUIT (COMMON MODE)



TEST CIRCUIT (NORMAL MODE)



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