

PLY17 Series

■ Features

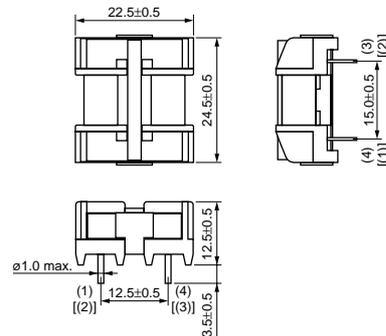
1. Integration of choke coil function to suppress differential mode/Low and High Frequency common mode noise.
2. Low Profile (H=<13mm)

■ Applications

1. For AC power supply, AC adapter
2. Low-profile equipment such as lighting equipment, FPD, Digital Amplifier



A/B



(in mm)

● A

Part Number	Common Mode Inductance (min.) (mH)	Normal Mode Inductance (min.) (μH)	Rated Current (A)	Rated Voltage (Vac)
PLY17BN4912R4A2	0.49	18	2.4	300
PLY17BN9612R0A2	0.96	36	2.0	300
PLY17BN1023R0A2	1.0	36	3.0	300
PLY17BN1121R8A2	1.1	44	1.8	300
PLY17BN1721R5A2	1.7	67	1.5	300
PLY17BN2921R2A2	2.9	110	1.2	300
PLY17BN3721R0A2	3.7	140	1.0	300
PLY17BN5620R8A2	5.6	210	0.8	300
PLY17BN7820R7A2	7.8	290	0.7	300
PLY17BN9320R6A2	9.3	350	0.6	300

Operating Temperature Range: -25°C to 60°C Winding Temperature Rise (at Rated Current): 60°C (max.)

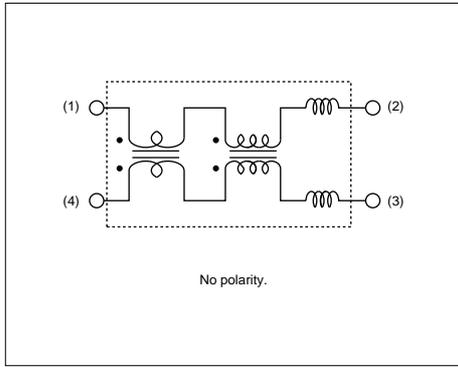
● B

Part Number	Common Mode Inductance (min.) (mH)	Normal Mode Inductance (min.) (μH)	Rated Current (A)	Rated Voltage (Vac)
PLY17BN4912R4B2	0.49	24	2.4	300
PLY17BN9612R0B2	0.96	47	2.0	300
PLY17BN1023R0B2	1.0	47	3.0	300
PLY17BN1121R8B2	1.1	58	1.8	300
PLY17BN1721R5B2	1.7	88	1.5	300
PLY17BN2921R2B2	2.9	140	1.2	300
PLY17BN3721R0B2	3.7	180	1.0	300
PLY17BN5620R8B2	5.6	280	0.8	300
PLY17BN7820R7B2	7.8	390	0.7	300
PLY17BN9320R6B2	9.3	460	0.6	300

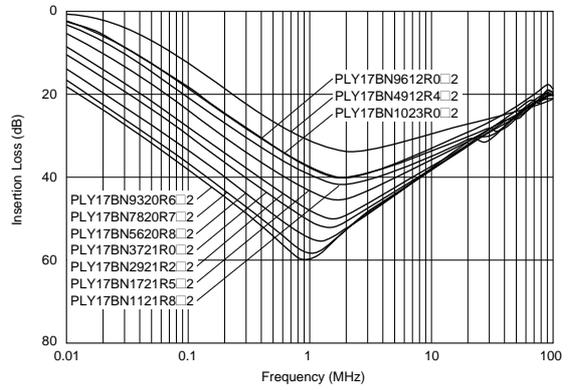
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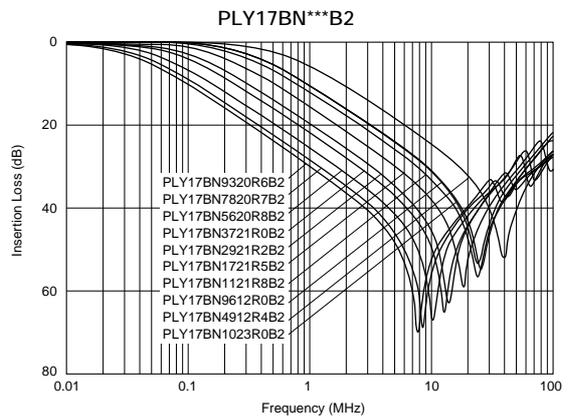
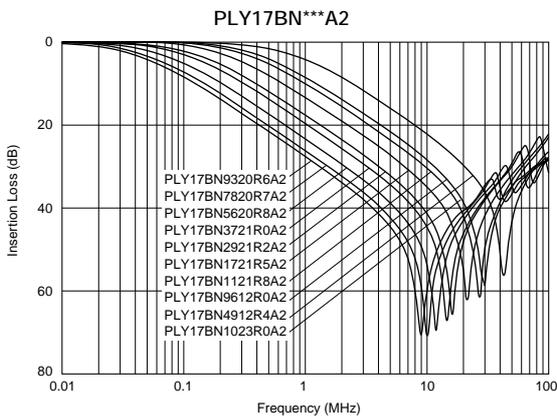
■ Equivalent Circuit Diagram



■ Common Mode Insertion Loss - Frequency Characteristics



■ Differential Mode Insertion Loss - Frequency Characteristics



PLY17 Series (Safety Standard Recognized)

■ Features

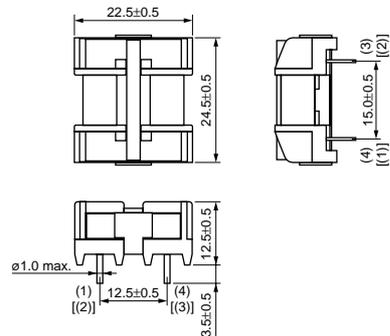
1. Integration of choke coil function to suppress differential mode/Low and High Frequency common mode noise.
2. Low Profile (H=<13mm)
3. Safety standards: EN60065

■ Applications

1. For AC power supply, AC adapter
2. Low-profile equipment such as lighting equipment, FPD, Digital Amplifier



A/B



(in mm)

● A

Part Number	Common Mode Inductance (min.) (mH)	Normal Mode Inductance (min.) (μH)	Rated Current (A)	Rated Voltage (Vac)
PLY17BS4912R4A2	0.49	18	2.4	250
PLY17BS9612R0A2	0.96	36	2.0	250
PLY17BS1023R0A2	1.0	36	3.0	250
PLY17BS1121R8A2	1.1	44	1.8	250
PLY17BS1721R5A2	1.7	67	1.5	250
PLY17BS2921R2A2	2.9	110	1.2	250
PLY17BS3721R0A2	3.7	140	1.0	250
PLY17BS5620R8A2	5.6	210	0.8	250
PLY17BS7820R7A2	7.8	290	0.7	250
PLY17BS9320R6A2	9.3	350	0.6	250

Operating Temperature Range: -25°C to 60°C Winding Temperature Rise (at Rated Current): 60°C (max.)

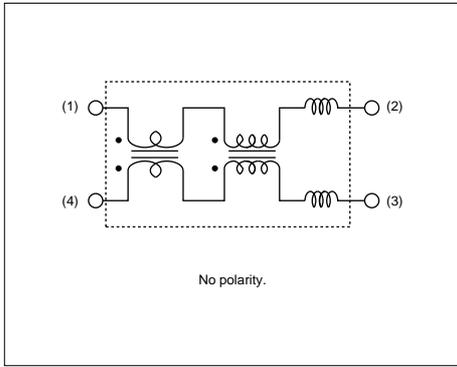
● B

Part Number	Common Mode Inductance (min.) (mH)	Normal Mode Inductance (min.) (μH)	Rated Current (A)	Rated Voltage (Vac)
PLY17BS4912R4B2	0.49	24	2.4	250
PLY17BS9612R0B2	0.96	47	2.0	250
PLY17BS1023R0B2	1.0	47	3.0	250
PLY17BS1121R8B2	1.1	58	1.8	250
PLY17BS1721R5B2	1.7	88	1.5	250
PLY17BS2921R2B2	2.9	140	1.2	250
PLY17BS3721R0B2	3.7	180	1.0	250
PLY17BS5620R8B2	5.6	280	0.8	250
PLY17BS7820R7B2	7.8	390	0.7	250
PLY17BS9320R6B2	9.3	460	0.6	250

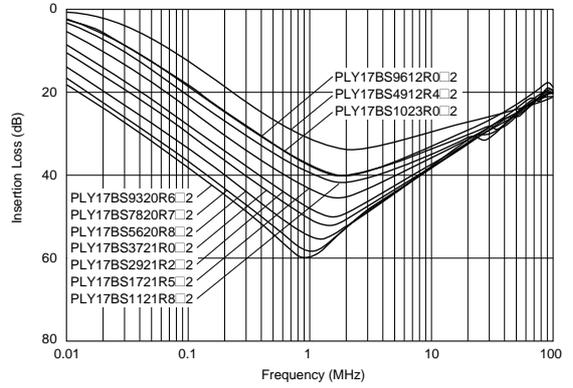
Operating Temperature Range: -25°C to 60°C Winding Temperature Rise (at Rated Current): 60°C (max.)

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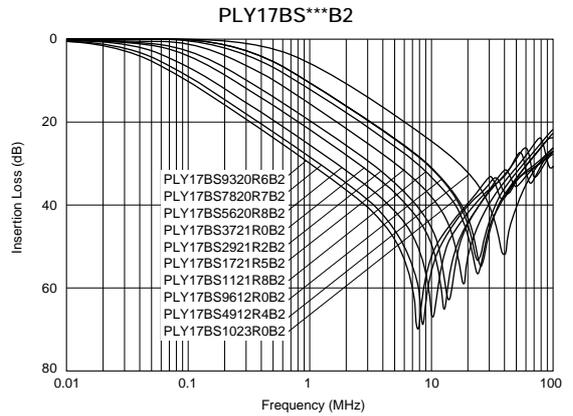
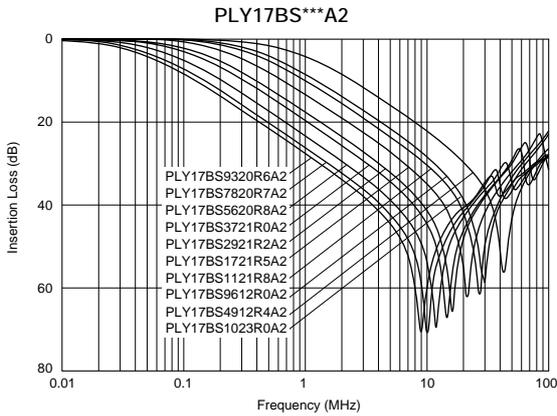
■ Equivalent Circuit Diagram



■ Common Mode Insertion Loss - Frequency Characteristics



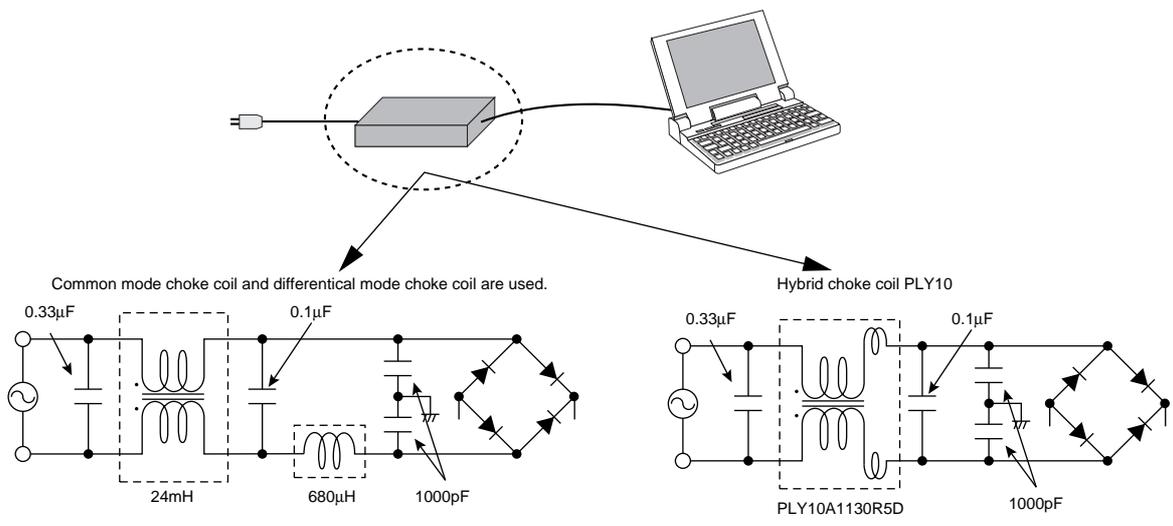
■ Differential Mode Insertion Loss - Frequency Characteristics



Noise Suppression Effect of PLY10 Series

The data shows noise suppression effects comparison PLY10 with existing common mode choke coil. (In AC adaptor of notebook PC)

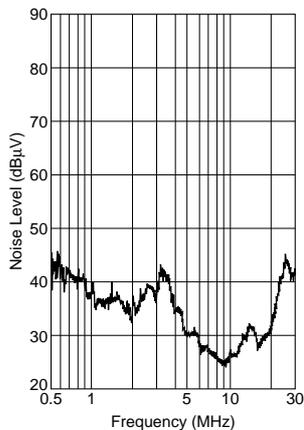
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• **Noise Level**

The filter circuit with hybrid choke coil has suppressed conducted noise as well as a conventional filter in spite of its compact composition.

Common mode choke coil and differential mode choke coil are used.



Hybrid choke coil PLY10

