

# MURATA Common Mode Choke Coils

**RoHS Compliant** This product is RoHS compliant.



## PLY10 SERIES HYBRID CHOKE COIL

### Features:

- PLY10 has both functions of a common mode choke coil and a differential mode choke coil in its compact body
- Low profile in vertical core layout
- PHY10 has the same pin layout as a general common mode choke coil which enables it to replace conventional components

\* Safety standards: EN60065

### Specifications:

- Operating Temperature Range: -25°C to 60°C



For quantities greater than listed, call for quote

MOUSER STOCK NO.		Fig.	Common Mode Inductance (min.) (mH)	Rated Voltage (V)	Rated Current (A)	Insulation Resistance (min.) (M ohm)	Price Each		
Mfr.	Mfr. Part No.						1	10	25
<b>Standard Winding</b>									
	81—PLY10AN1121R8R2B	A	1.1	1.8	90	300			
	81—PLY10AN1521R6R2B	A	1.5	1.6	110	300			
	81—PLY10AN1430R5R2B	A	14.0	1000	0.5	300			
*	81—PLY10AS1430R5R2B	A	14.0	0.5	1000	300			
*	81—PLY10AS6220R8R2B	A	6.2	0.8	400	300			
<b>Sectional Winding</b>									
	81—PLY10AN7012R0D2B	B	0.7	2.0	50	300			
	81—PLY10AN1121R7D2B	B	1.1	1.7	65	300			
	81—PLY10AN1421R4D2B	B	1.4	1.4	110	300			
	81—PLY10AN2321R2D2B	B	2.3	1.2	160	300			
	81—PLY10AN8720R7D2B	B	8.7	0.7	500	300			
*	81—PLY10AS1421R4D2B	B	1.4	1.4	110	300			
*	81—PLY10AS8720R7D2B	B	8.7	0.7	500	300			

## PLY17 SERIES

### Features:

- Integration of choke coil function to suppress differential mode/low and high frequency common mode noise.
- Low profile (H=<13mm)

### Applications:

- For AC power supply, AC adapter
- Low-profile equipment such as lighting equipment FPD, Digital amplifier

### Specifications:

- Operating Temperature Range: -25°C to 60°C

For quantities greater than listed, call for quote

MOUSER STOCK NO.		Fig.	Common Mode Inductance (min.) (mH)	Rated Current (A)	Normal Mode Inductance (min.) (uH)	Rated Voltage (V)	Price Each		
Mfr.	Mfr. Part No.						1	10	25
	81—PLY17BN4912R4A2B	C	0.49	2.4	18	300			
	81—PLY17BN9612R0A2B	C	0.96	2.0	36	300			
	81—PLY17BN1023R0A2B	C	1.0	3.0	36	300			
	81—PLY17BN1121R8A2B	C	1.1	1.8	44	300			
	81—PLY17BN1721R5A2B	C	1.7	1.5	67	300			
	81—PLY17BN2921R2A2B	C	2.9	1.2	110	300			
	81—PLY17BN3721R0A2B	C	3.7	1.0	140	300			
	81—PLY17BN5620R8A2B	C	5.6	0.8	210	300			
	81—PLY17BN7820R7A2B	C	7.8	0.7	290	300			
	81—PLY17BN9320R6A2B	C	9.3	0.6	350	300			
	81—PLY17BN4912R4B2B	C	0.49	2.4	24	300			
	81—PLY17BN9612R0B2B	C	0.96	2.0	47	300			
	81—PLY17BN1023R0B2B	C	1.0	3.0	47	300			
	81—PLY17BN1121R8B2B	C	1.1	1.8	58	300			
	81—PLY17BN1721R5B2B	C	1.7	1.5	88	300			
	81—PLY17BN2921R2B2B	C	2.9	1.2	140	300			
	81—PLY17BN3721R0B2B	C	3.7	1.0	180	300			
	81—PLY17BN5620R8B2B	C	5.6	0.8	280	300			
	81—PLY17BN7820R7B2B	C	7.8	0.7	390	300			
	81—PLY17BN9320R6B2B	C	9.3	0.6	460	300			

## PLT08C SERIES COMMON MODE CHOKE COILS (FOR DC LINE)

The PTC08C series is common mode choke coil for DC line. It is effective against the common mode noise that can cause radiative noise in power supply lines and interface lines. The high coupling factor enables effective suppression of common mode noise without appreciably altering the normal mode signal waveforms even when the signal and noise frequencies are close to each other.

### Applications:

- For suppressing noise radiation from interface cables of digital equipment such as computers and computer peripherals
- For suppressing noise radiation from the power supply cords of supply cords of digital equipment that uses adapters

### Specifications:

- Operating Temperature Range: -25°C to 60°C

For quantities greater than listed, call for quote

MOUSER STOCK NO.		Fig.	Common Mode Inductance (min.) (mH)	Rated Current (A)	Normal Mode Inductance (min.) (uH)	Rated Voltage (V)	Price Each		
Mfr.	Mfr. Part No.						1	10	25
	81—PLT08CN0R53R0T0B	D	0.5 min.	125	50	3			
	81—PLT08CN1R53R0T0B	D	1.5 min.	125	50	3			

## PLT09H SERIES COMMON MODE CHOKE COILS (FOR DC LINE)

PLT09H series is a common mode choke coil for DC lines. It is effective against the common mode noise that can cause radiative noise in power supply lines and interface lines. The additional normal mode inductance enables a high suppression effect to radiation noise.

### Features:

- This is a wide frequency range type, suitable in applications ranging from a few MHz to several 100MHz

### Applications:

- Noise suppression of SW power supply, DC-DC converter
- DC power lines in a AC adapter of portable equipment

### Specifications:

- Operating Temperature Range: -40°C to +85°C

For quantities greater than listed, call for quote

MOUSER STOCK NO.		Fig.	Common Mode Inductance (min.) (mH)	Rated Current (A)	Normal Mode Inductance (min.) (uH)	Rated Voltage (V)	Price Each		
Mfr.	Mfr. Part No.						1	10	25
	81—PLT09HN2003R0P1B	E	20 min.	50	3	125			

