

# MURATA SMD Common Mode Choke Coils

RoHS Compliant This product is RoHS compliant.



## PLT10H SERIES COMMON MODE CHOKE COIL

MOUSER STOCK NO.	Murata Part No.	Fig.	Common Mode Imp @ 100 MHz	Rated Current (mA)	Rated Volt.	Insulation Resistance (min) Ω	Withstanding Volt. (Vdc)	DC Resistance (Ω) max.	Price Each			
									1	10	25	125
81-PLT10HH1026R0PNL	PLT10HH1026R0PNL	A	400	10	100	10M	250	3.6	12.99	11.99	11.25	10.66
81-PLT10HH9016R0PNL	PLT10HH9016R0PNL	A	500	10	100	10M	250	3.6	12.99	11.99	11.25	10.66
81-PLT10HH501100PNL	PLT10HH501100PNL	A	900	6	100	10M	250	8.0	12.99	11.99	11.25	10.66
81-PLT10HH401100PNL	PLT10HH401100PNL	A	1000	6	100	10M	250	8.0	12.99	11.99	11.25	10.66

## DLP11TB SERIES - 1210 SIZE CHIP TYPE COMMON MODE CHOKE COILS

- Features:**
- Small size of 1.25 x 1.0 mm is optimally suited to mobile devices.
  - Cut-off frequency in the transmission characteristics (Sdd21) boosted to 8 GHz or more to reduce the effects of noise on the signals.
  - Operating temperature: -40°C to +85°C

- Applications:**
- USB3.0 connectors featured in personal computers and in PC peripheral devices.



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MOUSER STOCK NO.	Murata Part No.	Fig.	Common Mode Imp @ 100 MHz	Rated Current (mA)	Rated Volt. (Vdc)	Insulation Resistance (min) Ω	Price Each				Reel Qty.	Price Per Piece
							1	50	100	500		
81-DLP11TB800UL2	DLP11TB800UL2	B	80	100	5	1.5	.88	.44	.416	.313	5000	.264

## DLP SERIES - COMMON MODE CHOKE COILS

### DLP0NS Features:

- Small size: 0.85 x 0.65 x 0.45mm
- Enables noise suppression for differential signal line without distortion in high-speed signal transmission due to its line impedance matching.

### DLP2AD Features:

- 2 components are included in 2.0 x 1.0mm size.
- Can suppress common mode noise without damage to signal wave.

### DLP11SA and DLP11SN Features:

- Small size: 1.25 x 1.0 x 0.82mm
- Enables noise suppression for differential signal line without distortion in high-speed signal transmission due to its high coupling.



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### DLP31S Features:

- Small size: 3.2 x 1.6 x 1.15mm
- Suppresses high frequency noise that was unable to be suppressed with existing common mode choke coils.

### DLP31D Features:

- 2 components included in 3.2 x 1.6mm size.
- Thin type: 1.15 mm
- Can suppress common mode noise without damage to signal wave.

For quantities greater than listed, call for quote.

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								1	50	100	500		
<b>DLP0NS Series - 03025 Size Film Type</b>													
81-DLP0NSN670HL2L	DLP0NSN670HL2L	C	67	5	100M	12.5	2.4	.58	.50	.474	.372	5000	.237
81-DLP0NSN900HL2L	DLP0NSN900HL2L	C	90	5	100M	12.5	3.0	.58	.50	.474	.372	5000	.237
81-DLP0NSN121HL2L	DLP0NSN121HL2L	C	120	5	100M	12.5	3.8	.58	.50	.474	.372	5000	.237
<b>DLP2AD Series - 0804 Size Film Type (Array)</b>													
81-DLP2ADN670HL4L	DLP2ADN670HL4L	D	67	5	100M	12.5	1.25	.75	.65	.615	.483	3000	.308
81-DLP2ADN900HL4L	DLP2ADN900HL4L	D	90	5	100M	12.5	1.75	.75	.65	.615	.483	3000	.308
81-DLP2ADN121HL4L	DLP2ADN121HL4L	D	120	5	100M	12.5	2.5	.75	.65	.615	.483	3000	.308
81-DLP2ADN161HL4L	DLP2ADN161HL4L	D	160	5	100M	12.5	3.125	.75	.65	.615	.483	3000	.308
81-DLP2ADN201HL4L	DLP2ADN201HL4L	D	200	5	100M	12.5	4.0	.75	.65	.615	.483	3000	.308
81-DLP2ADN241HL4L	DLP2ADN241HL4L	D	240	5	100M	12.5	4.75	.75	.65	.615	.483	3000	.308
81-DLP2ADN281HL4L	DLP2ADN281HL4L	D	280	5	100M	12.5	5.75	.75	.65	.615	.483	3000	.308
<b>DLP11SA Series - 0504 Size Film Type</b>													
81-DLP11SA350HL2L	DLP11SA350HL2L	E	35	5	100M	12.5	0.9	.49	.43	.405	.318	3000	.202
81-DLP11SA670HL2L	DLP11SA670HL2L	E	67	5	100M	12.5	1.2	.49	.43	.405	.318	3000	.202
81-DLP11SA900HL2L	DLP11SA900HL2L	E	90	5	100M	12.5	1.4	.49	.43	.405	.318	3000	.202
<b>DLP11SN Series - 0504 Size Film Type</b>													
81-DLP11SN670SL2L	DLP11SN670SL2L	E	67	5	100M	12.5	1.3	.44	.38	.361	.284	3000	.181
81-DLP11SN900HL2L	DLP11SN900HL2L	E	90	5	100M	12.5	1.5	.44	.38	.361	.284	3000	.181
81-DLP11SN121SL2L	DLP11SN121SL2L	E	120	5	100M	12.5	2.0	.44	.38	.361	.284	3000	.181
81-DLP11SN161SL2L	DLP11SN161SL2L	E	160	5	100M	12.5	2.7	.44	.38	.361	.284	3000	.181
81-DLP11SN201HL2L	DLP11SN201HL2L	E	200	5	100M	12.5	3.1	.44	.38	.361	.284	3000	.181
81-DLP11SN241HL2L	DLP11SN241HL2L	E	240	5	100M	12.5	3.5	.44	.38	.361	.284	3000	.181
81-DLP11SN281HL2L	DLP11SN281HL2L	E	280	5	100M	12.5	4.2	.44	.38	.361	.284	3000	.181
81-DLP11SN331HL2L	DLP11SN331HL2L	E	330	5	100M	12.5	4.9	.44	.38	.361	.284	3000	.181
<b>DLP31S Series - 1206 Size Film Type</b>													
81-DLP31SN121ML2L	DLP31SN121ML2L	F	120	16	100M	40	2.0	1.98	1.73	1.62	1.27	3000	.814
81-DLP31SN221ML2L	DLP31SN221ML2L	F	220	16	100M	40	2.5	1.98	1.73	1.62	1.27	3000	.814
81-DLP31SN551ML2L	DLP31SN551ML2L	F	550	16	100M	40	3.6	1.98	1.73	1.62	1.27	3000	.814
<b>DLP31D Series - 1206 Size Film Type (Array)</b>													
81-DLP31DN131ML4L	DLP31DN131ML4L	G	130	10	100M	25	1.6	1.65	1.45	1.35	1.06	3000	.678
81-DLP31DN201ML4L	DLP31DN201ML4L	G	200	10	100M	25	2.2	1.65	1.45	1.35	1.06	3000	.678
81-DLP31DN321ML4L	DLP31DN321ML4L	G	320	10	100M	25	3.5	1.65	1.45	1.35	1.06	3000	.678
81-DLP31DN441ML4L	DLP31DN441ML4L	G	440	10	100M	25	4.3	1.65	1.45	1.35	1.06	3000	.678
81-DLP31DN900ML4L	DLP31DN900ML4L	G	90	10	100M	25	1.1	1.65	1.45	1.35	1.06	3000	.678

## DLW SERIES - WOUND TYPE

### DLW5BS Features:

- High impedance
- Large rated current
- Does not damage high speed signal due to high coupling common mode choke coil.
- Rated Voltage: 50Vdc

### DLW21 Features:

- Low profile
- Small size: 2.0 x 1.2 x 0.9mm
- Suitable for differential signal line like USB2.0, IEEE1394 and LVDS.
- Rated Voltage: 50Vdc

### DLW31 Features:

- Low profile
- Small size: 3.2 x 1.6 x 1.9mm
- Enables noise suppression for differential signal lines without distortion in high speed signal transmission due to its high coupling.
- Rated Voltage: 50Vdc



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								1	10	25	100		
<b>DLW5BS Series</b>													
81-DLW5BSN302SQ2L	DLW5BSN302SQ2L	H	3000	500	10M	125	0.3	4.00	3.80	3.50	3.38	400	2.80
81-DLW5BSN152SQ2L	DLW5BSN152SQ2L	H	1500	1000	10M	125	0.1	4.00	3.80	3.50	3.38	400	2.80
81-DLW5BSN102SQ2L	DLW5BSN102SQ2L	H	1000	1500	10M	125	0.06	4.00	3.80	3.50	3.38	400	2.80
81-DLW5BSN351SQ2L	DLW5BSN351SQ2L	H	350	2000	10M	125	0.04	4.00	3.80	3.50	3.38	400	2.80
81-DLW5BSN191SQ2L	DLW5BSN191SQ2L	H	190	5000	10M	125	0.02	4.00	3.80	3.50	3.38	400	2.80
<b>DLW21H Series</b>													
81-DLW21HN670SQ2L	DLW21HN670SQ2L	I	67	330	10M	125	0.35	.49	.43	.405	.318	3000	.202
81-DLW21HN900SQ2L	DLW21HN900SQ2L	I	90	330	10M	125	0.35	.49	.43	.405	.318	3000	.202
81-DLW21HN121SQ2L	DLW21HN121SQ2L	I	120	280	10M	125	0.45	.49	.43	.405	.318	3000	.202
81-DLW21HN181SQ2L	DLW21HN181SQ2L	I	180	250	10M	125	0.5	.49	.43	.405	.318	3000	.202
<b>DLW31S Series</b>													
81-DLW31SN222SQ2L	DLW31SN222SQ2L	J	2200	200	10M	125	1.2	1.29	1.13	1.06	.835	2000	.531
81-DLW31SN102SQ2L	DLW31SN102SQ2L	J	1000	230	10M	125	0.1	1.29	1.13	1.06	.835	2000	.531
81-DLW31SN601SQ2L	DLW31SN601SQ2L	J	600	260	10M	125	0.8	1.29	1.13	1.06	.835	2000	.531
81-DLW31SN900SQ2L	DLW31SN900SQ2L	J	90	370	10M	125	0.3	1.29	1.13	1.06	.835	2000	.531

