

MURATA SMD Inductors and Common Mode Choke Coils



RoHS Compliant This product is RoHS compliant.

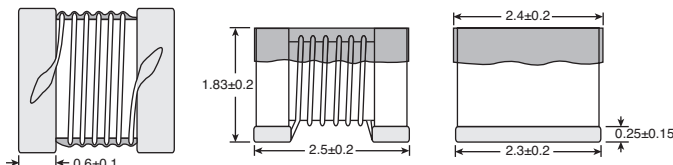
LQW2UA SERIES HIGH FREQUENCY HORIZONTAL WIRE WOUND SMD INDUCTORS

LQW2UA series consists of air-core chip inductor using an alumina core as a bobbin.

- Features:**
- Inductance: 12 to 4700nH (Wide inductance ranges)
 - Because of the high self-resonant frequency, it can be used in high frequency range from several 10MHz to 3GHz.
 - Tight inductance tolerance (+/-5%)
 - It is easy to mount because the resin is coated on the upper surface.
 - Reflow soldering methods can be employed.

- Applications:**
- Impedance Matching: Set Top Box
 - Cable Modem

DIMENSIONS: mm



Case 1008

MOUSER STOCK NO.	Murata Part No.	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	For quantities greater than listed, call for quote.				Reel Quantity	Price Per Piece
									1	50	100	500		
81-LQW2UAS12NJ00L	LQW2UAS12NJ00L	12	5	50	-	3300	0.09	1000	.45	.40	.373	.292	2000	.208
81-LQW2UAS18NJ00L	LQW2UAS18NJ00L	18	5	50	-	2500	0.11	1000	.45	.40	.373	.292	2000	.208
81-LQW2UAS22NJ00L	LQW2UAS22NJ00L	22	5	55	-	2400	0.12	1000	.45	.40	.373	.292	2000	.208
81-LQW2UAS27NJ00L	LQW2UAS27NJ00L	27	5	55	-	1600	0.13	1000	.45	.40	.373	.292	2000	.208
81-LQW2UAS33NJ00L	LQW2UAS33NJ00L	33	5	60	-	1600	0.14	1000	.45	.40	.373	.292	2000	.208
81-LQW2UAS39NJ00L	LQW2UAS39NJ00L	39	5	60	-	1500	0.15	1000	.45	.40	.373	.292	2000	.208
81-LQW2UAS47NJ00L	LQW2UAS47NJ00L	47	5	65	-	1500	0.16	1000	.45	.40	.373	.292	2000	.208
81-LQW2UAS56NJ00L	LQW2UAS56NJ00L	56	5	65	-	1300	0.18	1000	.45	.40	.373	.292	2000	.208
81-LQW2UAS68NJ00L	LQW2UAS68NJ00L	68	5	65	-	1300	0.2	1000	.45	.40	.373	.292	2000	.208
81-LQW2UAS82NJ00L	LQW2UAS82NJ00L	82	5	60	-	1000	0.22	1000	.45	.40	.373	.292	2000	.208
81-LQW2UASR10J00L	LQW2UASR10J00L	100	5	60	-	1000	0.56	650	.45	.40	.373	.292	2000	.208
81-LQW2UASR12J00L	LQW2UASR12J00L	120	5	60	-	950	0.63	650	.45	.40	.373	.292	2000	.208
81-LQW2UASR15J00L	LQW2UASR15J00L	150	5	45	-	850	0.7	580	.45	.40	.373	.292	2000	.208
81-LQW2UASR18J00L	LQW2UASR18J00L	180	5	45	-	750	0.77	620	.45	.40	.373	.292	2000	.208
81-LQW2UASR22J00L	LQW2UASR22J00L	220	5	45	-	700	0.84	500	.45	.40	.373	.292	2000	.208
81-LQW2UASR27J00L	LQW2UASR27J00L	270	5	45	-	600	0.91	500	.45	.40	.373	.292	2000	.208
81-LQW2UASR33J00L	LQW2UASR33J00L	330	5	45	-	570	1.05	450	.45	.40	.373	.292	2000	.208
81-LQW2UASR39J00L	LQW2UASR39J00L	390	5	45	-	500	1.12	470	.45	.40	.373	.292	2000	.208
81-LQW2UASR47J00L	LQW2UASR47J00L	470	5	45	-	450	1.19	470	.45	.40	.373	.292	2000	.208
81-LQW2UASR56J00L	LQW2UASR56J00L	560	5	45	-	415	1.33	400	.45	.40	.373	.292	2000	.208
81-LQW2UASR62J00L	LQW2UASR62J00L	620	5	45	-	375	1.4	300	.45	.40	.373	.292	2000	.208
81-LQW2UASR68J00L	LQW2UASR68J00L	680	5	45	-	375	1.47	400	.45	.40	.373	.292	2000	.208
81-LQW2UASR75J00L	LQW2UASR75J00L	750	5	45	-	360	1.54	360	.45	.40	.373	.292	2000	.208
81-LQW2UASR82J00L	LQW2UASR82J00L	820	5	45	-	350	1.61	400	.45	.40	.373	.292	2000	.208
81-LQW2UASR91J00L	LQW2UASR91J00L	910	5	35	-	320	1.68	380	.45	.40	.373	.292	2000	.208
81-LQW2UAS1R0J00L	LQW2UAS1R0J00L	1000	5	35	-	290	1.75	370	.45	.40	.373	.292	2000	.208
81-LQW2UAS1R2J00L	LQW2UAS1R2J00L	1200	5	35	-	210	2	310	.45	.40	.373	.292	2000	.208
81-LQW2UAS1R5J00L	LQW2UAS1R5J00L	1500	5	28	-	120	2.3	330	.45	.40	.373	.292	2000	.208
81-LQW2UAS1R8J00L	LQW2UAS1R8J00L	1800	5	28	-	140	2.6	300	.45	.40	.373	.292	2000	.208
81-LQW2UAS2R2J00L	LQW2UAS2R2J00L	2200	5	28	-	130	2.8	280	.45	.40	.373	.292	2000	.208
81-LQW2UAS2R7J00L	LQW2UAS2R7J00L	2700	5	22	-	110	3.2	290	.45	.40	.373	.292	2000	.208
81-LQW2UAS3R3J00L	LQW2UAS3R3J00L	3300	5	22	-	90	3.4	290	.45	.40	.373	.292	2000	.208
81-LQW2UAS3R9J00L	LQW2UAS3R9J00L	3900	5	20	-	70	3.6	260	.45	.40	.373	.292	2000	.208
81-LQW2UAS4R7J00L	LQW2UAS4R7J00L	4700	5	20	-	60	4	260	.45	.40	.373	.292	2000	.208

Murata Inductors

PLA10 SERIES - COMMON MODE CHOKE COILS

- Features:**
- Compact and lightweight
 - Low profile in vertical core layout
 - Both a standard winding type and a sectional winding for higher frequency noise is available

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



* Safety standards: EN60065

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Common Mode Inductance (min.) (mH)	Rated Voltage (V)	Rated Current (A)	Insulation Resistance (min.) (MΩ)	Price Each		
							1	10	25
Standard Winding									
81-PLA10AN1522R0R2B	A	1.5	300	2.0	100	1.57	1.53	1.48	
81-PLA10AN2221R5R2B	A	2.2	300	1.5	100	1.57	1.53	1.48	
81-PLA10AN3021R3R2B	A	3.0	300	1.3	100	1.57	1.53	1.48	
81-PLA10AN3521R2R2B	A	3.5	300	1.2	100	1.57	1.53	1.48	
81-PLA10AN5521R0R2B	A	5.5	300	1.0	100	1.57	1.53	1.48	
81-PLA10AN7420R8R2B	A	7.4	300	0.8	100	1.57	1.53	1.48	
81-PLA10AN1030R7R2B	A	10.0	300	0.7	100	1.57	1.53	1.48	
81-PLA10AN2030R5R2B	A	20.0	300	0.5	100	1.57	1.53	1.48	
81-PLA10AN3030R4R2B	A	30.0	300	0.4	100	1.57	1.53	1.48	
81-PLA10AN4330R3R2B	A	43.0	300	0.3	100	1.57	1.53	1.48	
* 81-PLA10AS1522R0R2B	A	1.5	250	2.0	100	1.57	1.53	1.48	
* 81-PLA10AS1821R7R2B	A	1.8	250	1.7	100	1.57	1.53	1.48	
* 81-PLA10AS1030R7R2B	A	10.0	250	0.7	100	1.57	1.53	1.48	
* 81-PLA10AS1230R6R2B	A	12.0	250	0.6	100	1.57	1.53	1.48	
* 81-PLA10AS3030R4R2B	A	30.0	250	0.4	100	1.57	1.53	1.48	
Sectional Winding									
81-PLA10AN9012R0D2B	B	0.9	300	2.0	100	1.57	1.53	1.48	
81-PLA10AN1321R7D2B	B	1.3	300	1.7	100	1.57	1.53	1.48	
81-PLA10AN1821R5D2B	B	1.8	300	1.5	100	1.57	1.53	1.48	
81-PLA10AN3621R0D2B	B	3.6	300	1.0	100	1.57	1.53	1.48	
81-PLA10AN7720R7D2B	B	7.7	300	0.7	100	1.57	1.53	1.48	
81-PLA10AN1330R5D2B	B	13.0	300	0.5	100	1.57	1.53	1.48	
81-PLA10AN2230R4D2B	B	22.0	300	0.4	100	1.57	1.53	1.48	
81-PLA10AN3630R3D2B	B	36.0	300	0.3	100	1.57	1.53	1.48	

PLH10 SERIES - COMMON MODE CHOKE COILS

- Features:**
- High performance in high frequency range
 - Low profile in vertical core layout
 - Compact and lightweight

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



* Safety standards: EN60065

For quantities greater than listed, call for quote

MOUSER STOCK NO.	Mfr. Part No.	Fig.	Common Mode Inductance (min.) (μH)	Rated Voltage (V)	Rated Current (A)	Insulation Resistance (min.) (MΩ)	Price Each		
							1	10	25
81-PLH10AN7003R6P2B	A	70	300	3.6	100	1.57	1.53	1.48	
81-PLH10AN1612R1P2B	A	160	300	2.1	100	1.57	1.53	1.48	
81-PLH10AN221R5P2B	A	220	300	1.5	100	1.57	1.53	1.48	
81-PLH10AN291R2P2B	A	290	300	1.2	100	1.57	1.53	1.48	
81-PLH10AN371R0P2B	A	370	300	1.0	100	1.57	1.53	1.48	
* 81-PLH10AS7003R6P2B	A	70	250	3.6	100	1.57	1.53	1.48	
* 81-PLH10AS1612R1P2B	A	160	250	2.1	100	1.57	1.53	1.48	
* 81-PLH10AS221R5P2B	A	220	250	1.5	100	1.57	1.53	1.48	

DIMENSIONS: mm

