

MTC1148-A Series

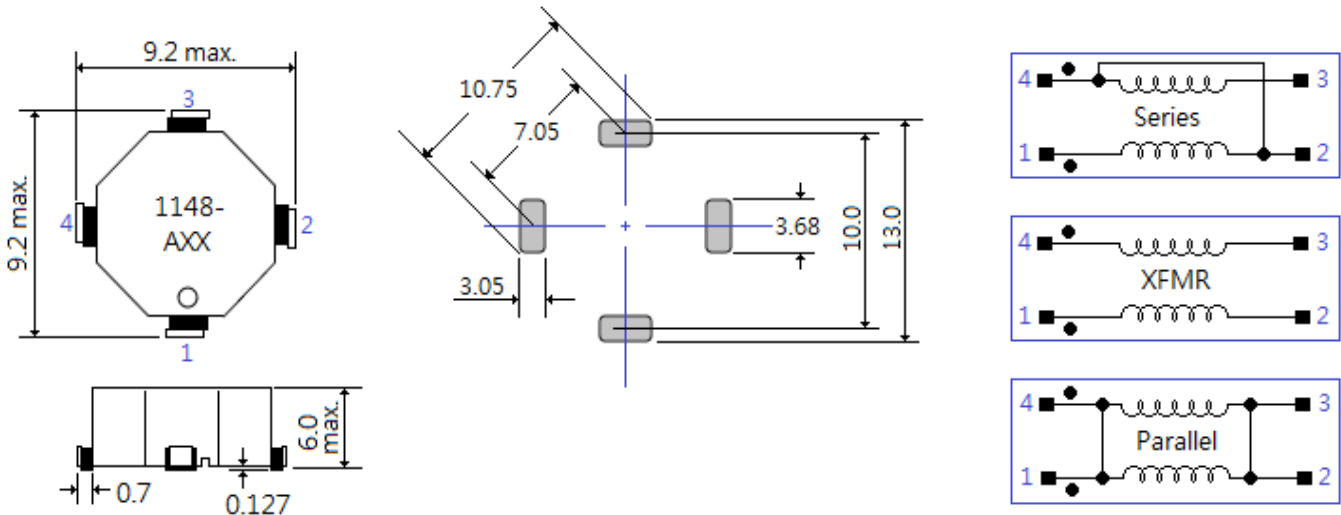
Features :

- Dual SMT magnetic that can be used single or coupled inductors also can be used To 1:1 transformers (Provide isolation between two windings),
The series used low loss core offer low cost and high saturation flux density.
The inductors can be versatile combination by series or parallel connections.

Applications :

- Applications include DC-DC converters, Buck, Boost, forward, resonant converters. Filtering Chokes, 1:1 Transformers.
Also apply to computer and Portable power devices, LCD panels, DVD players Noise

Shapes And Dimensions : (Unit :mm)



Standard electrical specifications :

Prat Number	Parallel				Series			
	OCL (uH)±20%	DC Bias (uH) min	ADC (A) min	DCR (ohm) max	OCL (uH)±20%	DC Bias (uH) min	ADC (A) min	DCR (ohm) max
MTC1148-A01	0.42	0.30	5.50	0.005	1.67	1.25	2.75	0.022
MTC1148-A02	0.60	0.43	5.10	0.006	2.40	1.74	2.55	0.025
MTC1148-A03	1.07	0.71	4.50	0.008	4.28	2.92	2.25	0.032
MTC1148-A04	2.02	1.36	3.40	0.013	8.08	5.44	1.70	0.054
MTC1148-A05	4.83	3.35	2.00	0.040	19.30	13.47	1.00	0.165
MTC1148-A06	8.08	5.31	1.80	0.052	32.33	21.23	0.90	0.210
MTC1148-A07	9.60	6.23	1.70	0.057	38.48	24.94	0.85	0.230
MTC1148-A07H	9.83	6.73	2.10	0.045	39.30	26.92	1.05	0.179
MTC1148-A08	15.03	9.6	1.40	0.087	60.12	38.47	0.70	0.35
MTC1148-A09	20.46	14.1	1.00	0.160	81.83	56.47	0.50	0.64
MTC1148-A10	25.4	17.0	0.96	0.177	101.6	68.29	0.48	0.71
MTC1148-A11	32.33	22.2	0.80	0.250	129.3	89.06	0.40	1.02
MTC1148-A12	50.52	33.5	0.70	0.320	202.1	134.2	0.35	1.27
MTC1148-A13	68.4	43.6	0.66	0.370	273.6	174.6	0.33	1.49
MTC1148-A14	99.0	63.6	0.54	0.557	396.0	254.5	0.27	2.23
MTC1148-A15	150.7	96.6	0.44	0.850	602.8	386.5	0.22	3.38
MTC1148-A16	198.4	130.7	0.36	1.210	793.7	523.1	0.18	4.84
MTC1148-A17	299.87	190.0	0.32	1.530	1199.5	760.2	0.16	6.10

- Rated Inductance : measured at 25°C and F @ 100KHz 0.1V
- DC resistance: at 25°C
- Testing voltage 300Vdc min for 1 sec. (winding - winding)
- Storage temperature range - 40°C ~ +125°C
- Operating temperature range - 40°C ~ +85°C

Customer's specifications are available

