

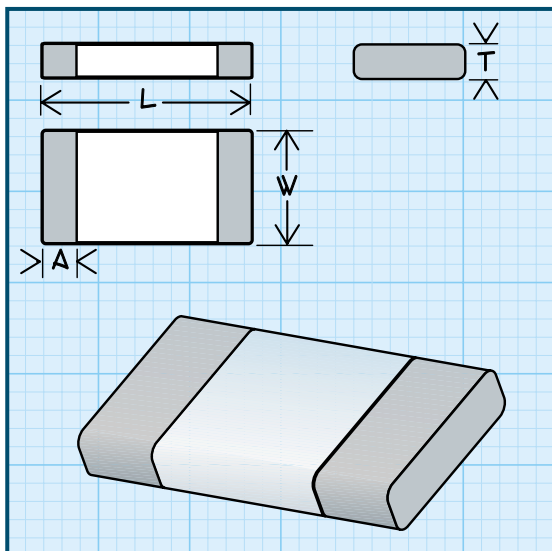
Series

EMI0603R, EMI0805R, EMI1206R,
EMI1210R, EMI1806R, EMI1812R

RoHS
Compliant

EMI0603, EMI0805, EMI1206,
EMI1210, EMI1806, EMI1812

Traditional
First Quality



Small size utilizing a monolithic ferrite structure which results in excellent magnetic shielding.

Operating Temperature Range -55°C to +125°C

Terminations Suitable for flow & reflow soldering application.

Current Rating The current at which the Impedance will change by a maximum of $\pm 25\%$.

Note † Test Frequency for EMI1206-1500 = 50 MHz

*** Test Frequency for EMI1206-2000 = 30 MHz

Additional values available -
contact factory for your application

*Complete part # must include series # PLUS the dash #

For further surface finish information, refer to
TECHNICAL section of this catalog.

DASH NUMBER*

IMPEDANCE @ 100 MHz
(OHMS) $\pm 25\%$

DC RESISTANCE
(OHMS) Max

CURRENT RATING
MAXIMUM (mA)

SERIES EMI0603

-60	60	0.10	600
-68	68	0.10	600
-80	80	0.10	400
-120	120	0.15	400
-220	220	0.30	300
-300	300	0.35	300
-450	450	0.40	300
-600	600	0.45	200
-750	750	0.60	100
-1000	1000	0.60	100

SERIES EMI0805

-11	11	0.05	600
-40	40	0.05	600
-90	90	0.10	600
-120	120	0.15	500
-150	150	0.15	500
-220	220	0.22	500
-300	300	0.20	500
-400	400	0.30	500
-600	600	0.30	500
-1000	1000	0.35	300
-1500	1500	0.40	200
-2000	2000	0.50	200

SERIES EMI1206

-31	31	0.05	600
-50	50	0.10	600
-70	70	0.10	600
-90	90	0.15	500
-120	120	0.15	500
-150	150	0.15	500
-200	200	0.20	500
-300	300	0.20	500
-600	600	0.30	500
-800	800	0.30	200
-1000	1000	0.40	200
-1200	1200	0.40	200
-1500†	1500	0.50	200
-2000***	2000	0.50	200

SERIES EMI1210

-60	60	0.30	400
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SERIES EMI1806

-80	80	0.10	400
-105	100	0.20	300
-150	150	0.30	200

SERIES EMI1812

-125	120	0.40	200
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SUPPRESSORS

Physical Parameters and Packaging

	EMI0603	EMI0805	EMI1206	EMI1210	EMI1806	EMI1812
Dimensions						
L - inches (mm)	0.063 $\pm$ 0.006 (1.6 $\pm$ 0.15)	0.079 $\pm$ 0.008 (2.0 $\pm$ 0.2)	0.126 $\pm$ 0.008 (3.2 $\pm$ 0.2)	0.126 $\pm$ 0.008 (3.2 $\pm$ 0.2)	0.177 $\pm$ 0.010 (4.5 $\pm$ 0.25)	0.177 $\pm$ 0.010 (4.5 $\pm$ 0.25)
W - inches (mm)	0.031 $\pm$ 0.006 (0.8 $\pm$ 0.15)	0.049 $\pm$ 0.008 (1.25 $\pm$ 0.2)	0.063 $\pm$ 0.008 (1.6 $\pm$ 0.2)	0.098 $\pm$ 0.008 (2.5 $\pm$ 0.2)	0.063 $\pm$ 0.008 (1.6 $\pm$ 0.2)	0.126 $\pm$ 0.010 (3.2 $\pm$ 0.25)
T - inches (mm)	0.031 $\pm$ 0.006 (0.8 $\pm$ 0.15)	0.035 $\pm$ 0.008 (0.9 $\pm$ 0.2)	0.043 $\pm$ 0.008 (1.1 $\pm$ 0.2)	0.051 $\pm$ 0.008 (1.3 $\pm$ 0.2)	0.063 $\pm$ 0.008 (1.6 $\pm$ 0.2)	0.059 $\pm$ 0.010 (1.5 $\pm$ 0.25)
A - inches (mm)	0.012 $\pm$ 0.008 (0.3 $\pm$ 0.20)	0.020 $\pm$ 0.012 (0.50 $\pm$ 0.300)	0.020 $\pm$ 0.012 (0.50 $\pm$ 0.300)	0.020 $\pm$ 0.012 (0.50 $\pm$ 0.300)	0.022 $\pm$ 0.016 (0.60 $\pm$ 0.400)	0.022 $\pm$ 0.016 (0.60 $\pm$ 0.400)
Packaging	Tape & reel (12mm); max. pieces per reel as follows					
	4000	4000	3000	2000	2000	1000