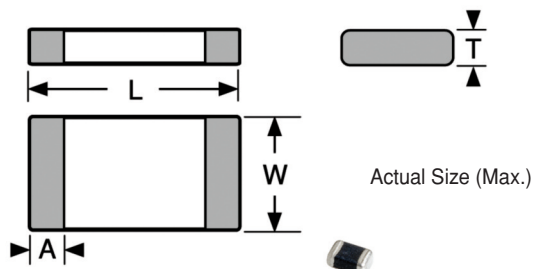


SERIES

EMI0603R, EMI0805R, EMI1206R,
EMI1210R, EMI1806R, EMI1812R

RoHS
Compliant



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 EMI1206R-1500 = 50 MHz

******* Test Frequency for EMI1206R-2000 = 30 MHz

Additional values available - contact factory
for your application

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

DASH NUMBER*	IMPEDANCE @ 100 MHz (OHMS) $\pm 25\%$	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)
SERIES EMI0603R			
-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 EMI0805R			
-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 EMI1206R			
-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 EMI1210R			
-60	60	0.30	400
SERIES EMI1806R			
-80	80	0.10	400
-105	100	0.20	300
-150	150	0.30	200
SERIES EMI1812R			
-125	120	0.40	200

Physical Parameters and Packaging						
	EMI0603R	EMI0805R	EMI1206R	EMI1210R	EMI1806R	EMI1812R
Dimensions						
L - inches	0.063 $\pm$ 0.006	0.079 $\pm$ 0.008	0.126 $\pm$ 0.008	0.126 $\pm$ 0.008	0.177 $\pm$ 0.010	0.177 $\pm$ 0.010
(mm)	(1.6 $\pm$ 0.15)	(2.0 $\pm$ 0.2)	(3.2 $\pm$ 0.2)	(3.2 $\pm$ 0.2)	(4.5 $\pm$ 0.25)	(4.5 $\pm$ 0.25)
W - inches	0.031 $\pm$ 0.006	0.049 $\pm$ 0.008	0.063 $\pm$ 0.008	0.098 $\pm$ 0.008	0.063 $\pm$ 0.008	0.126 $\pm$ 0.010
(mm)	(0.8 $\pm$ 0.15)	(1.25 $\pm$ 0.2)	(1.6 $\pm$ 0.2)	(2.5 $\pm$ 0.2)	(1.6 $\pm$ 0.2)	(3.2 $\pm$ 0.25)
T - inches	0.031 $\pm$ 0.006	0.035 $\pm$ 0.008	0.043 $\pm$ 0.008	0.051 $\pm$ 0.008	0.063 $\pm$ 0.008	0.059 $\pm$ 0.010
(mm)	(0.8 $\pm$ 0.15)	(0.9 $\pm$ 0.2)	(1.1 $\pm$ 0.2)	(1.3 $\pm$ 0.2)	(1.6 $\pm$ 0.2)	(1.5 $\pm$ 0.25)
A - inches	0.012 $\pm$ 0.008	0.020 $\pm$ 0.012	0.020 $\pm$ 0.012	0.020 $\pm$ 0.012	0.022 $\pm$ 0.016	0.022 $\pm$ 0.016
(mm)	(0.3 $\pm$ 0.20)	(0.50 $\pm$ 0.300)	(0.50 $\pm$ 0.300)	(0.50 $\pm$ 0.300)	(0.60 $\pm$ 0.400)	(0.60 $\pm$ 0.400)
Packaging Tape & reel (12mm); max. pieces per reel as follows						
	4000	4000	3000	2000	2000	1000