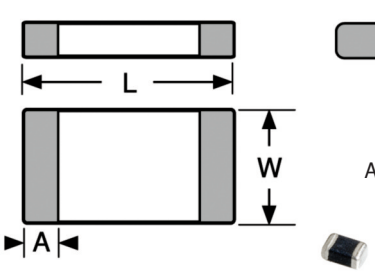
SERIES

EMI0603R, EMI0805R, EMI1206R, EMI1210R, EMI1806R, EMI1812R

RoHS Compliant



Actual Size (Max.)

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 ±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 #

For surface finish information, refer to www.delevanfinishes.com

DASH NUMBER*	IMPEDANCE @ 100 MHz (OHMS) ±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 (mm)	0.063±0.006 (1.6±0.15)	0.079±0.008 (2.0±0.2)	0.126±0.008 (3.2±0.2)	0.126±0.008 (3.2±0.2)	0.177±0.010 (4.5±0.25)	0.177±0.010 (4.5±0.25)
W - inches (mm)	0.031±0.006 (0.8±0.15)	0.049±0.008 (1.25±0.2)	0.063±0.008 (1.6±0.2)	0.098±0.008 (2.5±0.2)	0.063±0.008 (1.6±0.2)	0.126±0.010 (3.2±0.25)
T - inches (mm)	0.031±0.006 (0.8±0.15)	0.035±0.008 (0.9±0.2)	0.043±0.008 (1.1±0.2)	0.051±0.008 (1.3±0.2)	0.063±0.008 (1.6±0.2)	0.059±0.010 (1.5±0.25)
A - inches (mm)	0.012±0.008 (0.3±0.20)	0.020±0.012 (0.50±0.300)	0.020±0.012 (0.50±0.300)	0.020±0.012 (0.50±0.300)	0.022±0.016 (0.60±0.400)	0.022±0.016 (0.60±0.400)
Packaging	Tape & reel (12mm); max. pieces per reel as follows					
	4000	4000	3000	2000	2000	1000

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