

FEATURES

The MPI series is magnetically shielded chip coils based on multilayer process.

New magnetic material is developed to get excellent direct current characteristics. This series has larger rated current than conventional MLI series.

Low DC resistance is realized.

The cross talk characteristics are excellent because of the magnetically shielded structure.

APPLICATIONS

MPI series is suitable for power line choke because of its excellent direct current characteristics

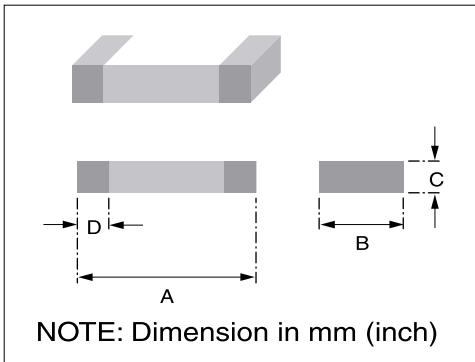
- PC/Notebook
- PDA
- Digital camera
- DVD

PRODUCT IDENTIFICATION

1 2 3 4 5
 MPI - 201209 - 4R7 N □ □

- ① Product Code
- ② Dimensions (in mm)
- ③ Inductance Code
- ④ Tolerance Code: N=±30%
- ⑤ Pattern Code

PRODUCT DIMENSIONS



PRODUCT NO.	A	B	C	D
MPI-201209	2.0±0.20	1.2±0.20	0.9±0.20	0.5±0.30
(0805)	(0.079±0.008)	(0.047±0.008)	(0.035±0.008)	(0.020±0.012)

■ PRODUCT SPECIFICATIONS

Part Number	Inductance (μ H)	Test Frequency (MHz)	S.R.F. Min. (MHz)	DC Resistance (Ω)	Rated Current Max. (mA)
MPI-201209-1R0N	$1.0 \pm 30\%$	1	105	$0.12 \pm 30\%$	220
MPI-201209-4R7N	$4.7 \pm 30\%$	1	25	$0.3 \pm 30\%$	80
MPI-201209-6R8N	$6.8 \pm 30\%$	1	20	$0.4 \pm 30\%$	70
MPI-201209-100N	$10.0 \pm 30\%$	1	15	$0.5 \pm 30\%$	60

REMARK:

- Inductance test condition: Agilent 4291 RF Impedance Analyzer with test fixture 16192A and osc. level = 1mA .
- Temperature rise should be less than 25°C and inductance change should be less than $\pm 50\%$ when rated current is applied.

■ TYPICAL ELECTRICAL CHARACTERISTIC CURVES

