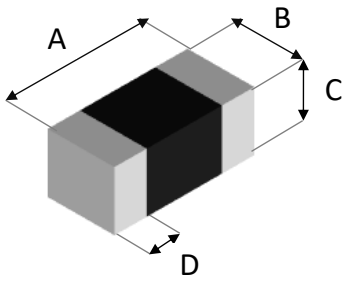
MPI201610T Series Specification
SMD Ferrite Chip Inductor

耕興股份有限公司
SPORTON INTERNATIONAL INC.

APPLICATION
Smart phones, tablet terminals, digital cameras, video cameras, HDDs, power supply modules, etc

1. Shapes and Dimensions



Unit: mm

Type	A	B	C	D
MPI201610T	2.0±0.2	1.60±0.2	1.0 Max.	0.5±0.3

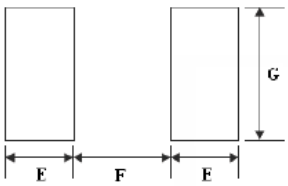
2. Ordering / Part Number Information

MPI	201610	T	-	1R0	M
(1)	(2)	(3)		(4)	(5)

(1) Product Group
(2) Dimension Code
(3) Type Code
(4) Inductance Code
(5) Inductance Tolerance

3. Recommended Soldering Condition

3-1. Recommended Land Pattern

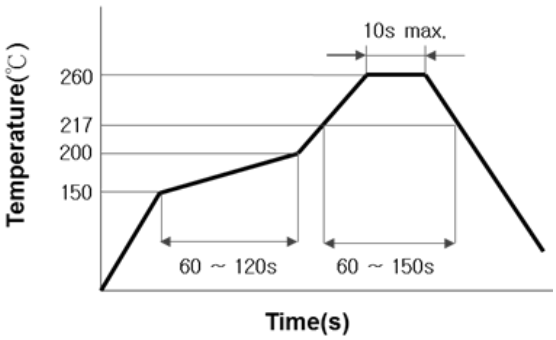


Unit : mm

Symbol	Dimension
E	1.05
F	1.00
G	1.75

The Recommended Land pattern is for reference only.
Please consult your manufacturing partners to ensure your company's PCB design guidelines are met

3-2. Recommended Soldering Profile



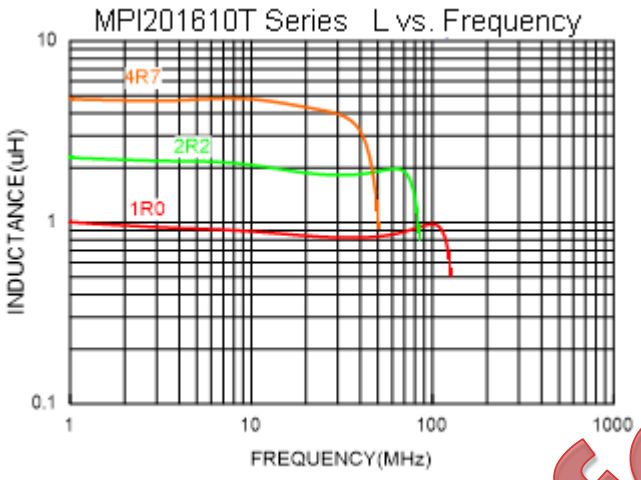
4. Electrical Characteristics

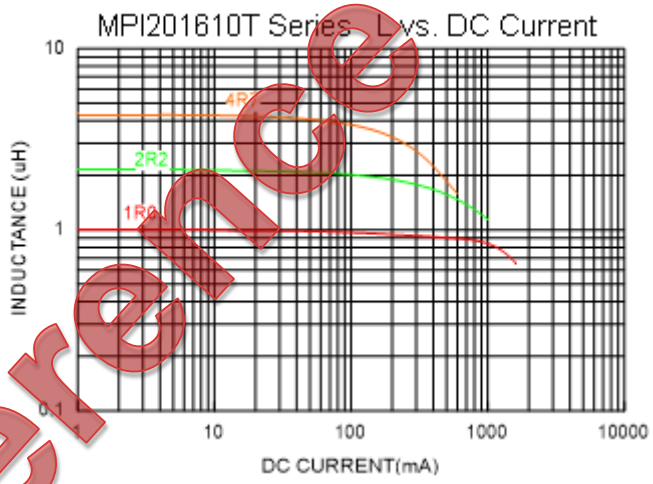
4-1. Electrical Specification

Part Number	Inductance (L) @1MHz	DC Resistance (R_{DC}) Max.	Rated Current (I_{DC}) Max.
MPI201610T-1R0M	1.00μH ±20%	0.120Ω	1300mA
MPI201610T-2R2M	2.20μH ±20%	0.140Ω	1200mA
MPI201610T-4R7M	4.70μH ±20%	0.200Ω	900mA

Note1. Rated Current : Applied the DC current to coils, the temperature rise shall not be more than 40℃

4-2. Typical Electrical characteristics





4-3. Operating Temperature Range

-40℃ to +85℃(Including self - temperature rise)

4-4. Storage Temperature Range

Store this product under the condition of 5℃ to 40℃, 20% to 70%RH and use within 6 months

5. Packaging Information

Standard Quantity for Packaging: 3,000 pcs/Reel

Note

1. Please make sure that your product is has been evaluated and confirmed against your specifications when our product is mounted to your product.
2. Do not knock nor drop.
3. All the items and parameters in this product specification have been prescribed on the premise that our product is used for the purpose, under the condition and in the environment agreed upon between you and us. You are requested not to use our product deviating from such agreement.
4. Please keep the distance between transformer/coil and other components (refer to the standard IEC 950)