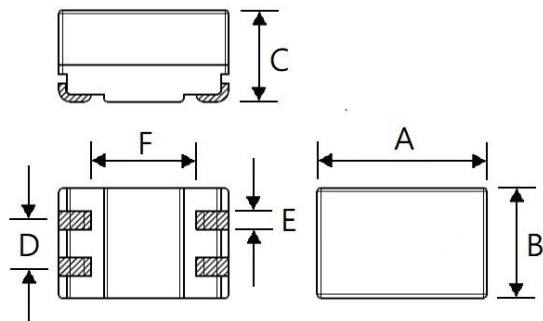


■ Style and Dimensions (mm)



9060	Dimensions
A	9.20 ± 0.3
B	6.00 ± 0.3
C	5.00 ± 0.3
D	2.54 ± 0.2
E	1.00 ± 0.2
F	5.70 Ref.

■ Electrical Characteristics

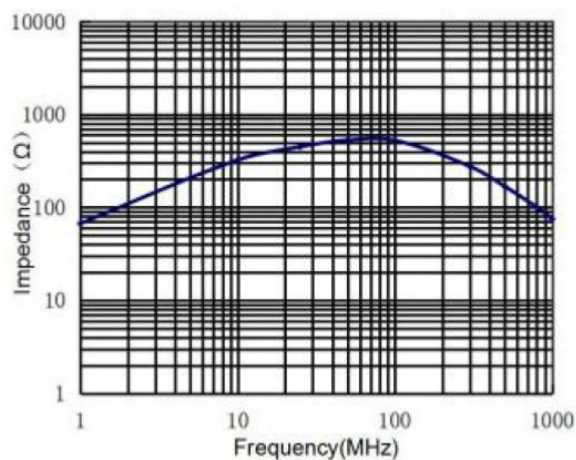
P/N	Inductance	Test Freq.	DCR (Ω)	IDC (A)	Insulation Resistance	Impedance	Freq. Range
	(μH)		Max.	Max.	IR (MΩ) Min.	(Ω)Min.	(MHz)
CMF9060H100HFR	10 +50/-30%	1KHz/0.1V	0.08	1.6	10	300	20-200

※Operating temperature : -40 to +125°C

Storage temp. and humidity: -40 to +85°C ,70%RH max

Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

■ Performance Curves

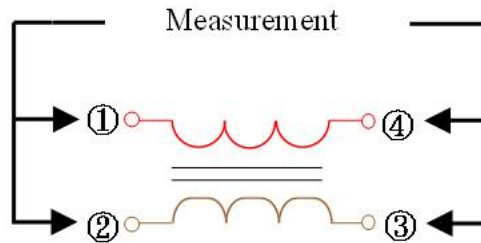


■ Test Equipment

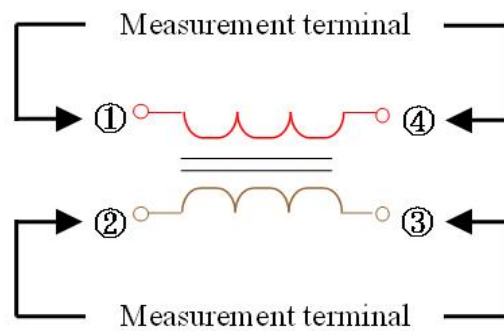
Impedance / Inductance:

Measured by using Agilent 4291A RF Impedance Analyzer.

Measured by using Microtest 6379 LCR Meter.

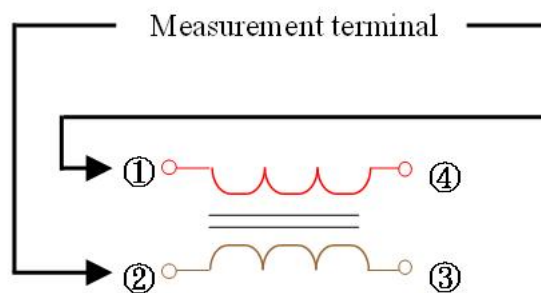


DC Resistance: Measured by using Chroma 16502 mill ohm meter.

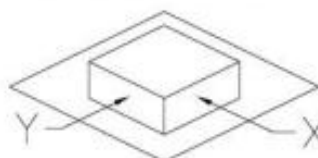


Insulation Resistance: Measured by using Chroma 19073

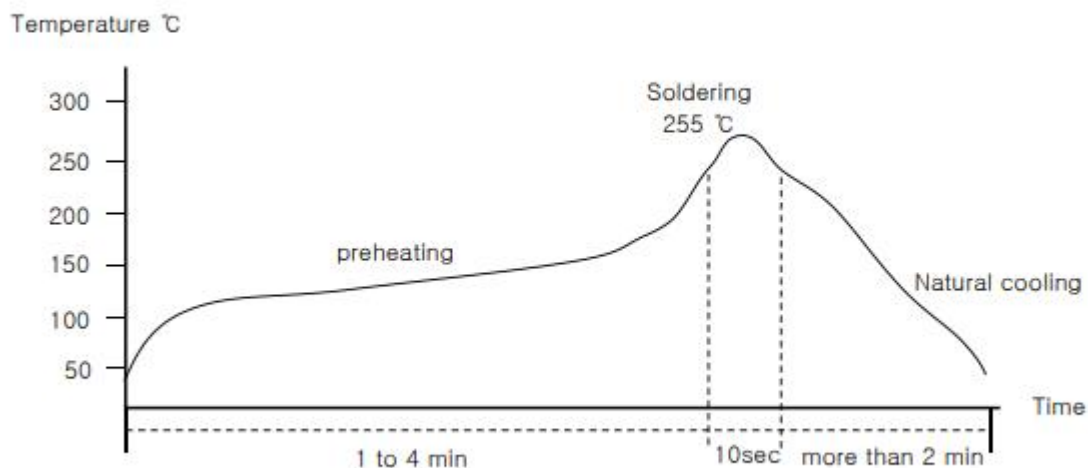
Measurement voltage: 500V(AC)



■ RELIABILITY TESTIN

Operating Temperature	-40 to +125℃ (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength	 After soldering, between copper plate and terminals of coils, push in two directions of X, Y with standing 10N(1.02kg) for 10+/-2 sec. Terminal should not peel off. (Refer to figure at right)
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 100 MΩ at 100V DC between wire and core
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core
Temperature characteristics	Inductance coefficient (0~2,000) × 10 / °C (- 40~ + 125℃)
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2℃ and 1 hours drying under normal condition
A test is made under the above-mentioned condition, and it is kept for 2 hours in the normal	

■ Recommended Soldering Temp. Graph



Temperature and humidity . After that , no mechanical and electrical defect should be found .

■ Application Notice

●Storage Conditions(component level)

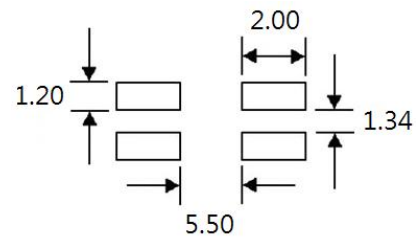
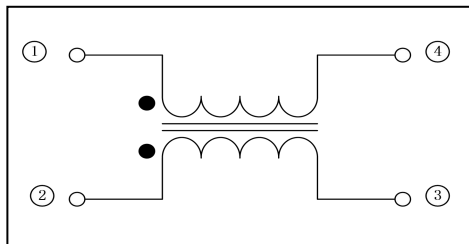
To maintain the solderability of terminal electrodes:

1. MAG-AGA products meet IPC/JEDEC J-STD-020D standard-MSL, level 1.
2. Temperature and humidity conditions: Less than 40℃ and 60% RH.
3. Recommended products should be used within 12 months form the time of delivery.
4. The packaging material should be kept where no chlorine or sulfur exists in the air.

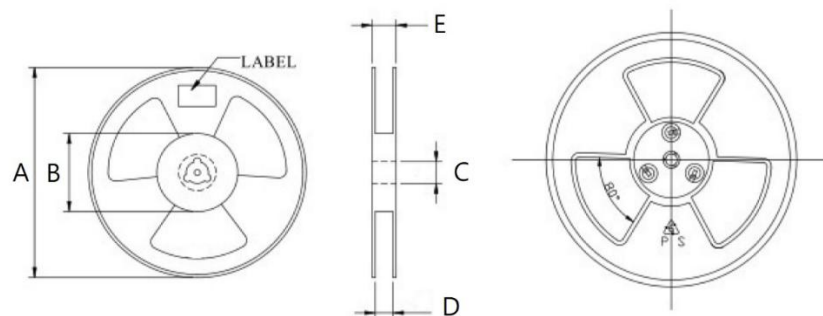
●Transportation

1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
2. The use of tweezers or vacuum pick up is strongly recommended for individual components.
3. Bulk handling should ensure that abrasion and mechanical shock are minimized.

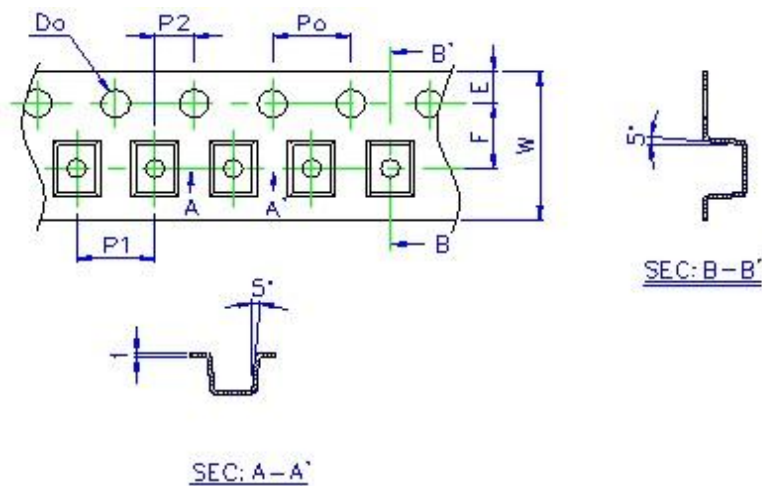
■ Recommended Footprint



■ Reel Dimension & Tape Dimension



Type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
13"x24mm	330±2.0	100±2.0	13±1.0	24.5±1.0	28.5±2.0



Size	t(mm)	W(mm)	E(mm)	F(mm)	Po(mm)	P1(mm)	P2(mm)	Do(mm)
CMF9060H	0.50±0.05	24.00±0.30	1.75±0.10	10.5±0.10	4.0±0.10	12.0±0.10	2.0±0.10	1.5±0.10

■ Packaging Quantity

