

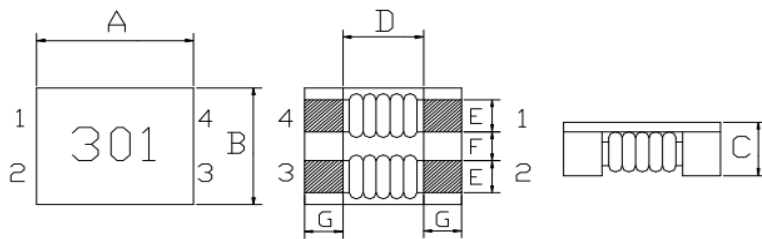
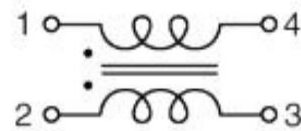
SMD Power Line Common Mode Choke

ACM7060M-Series

ACM7060M type

ACM7060M [2723 inch]

◆ SHAPE & DIMENSIONS



ACM7060M	Dimensions
A	7.0 ± 0.5
B	6.0 ± 0.5
C	3.8 max
D	3.5 Ref
E	1.5 ± 0.2
F	1.5 ± 0.2
G	1.75 ± 0.2

UNIT:mm

◆ PART NUMBER CONSTRUCTION

ACM	7060	M	400	2P	T
Series name	L*W*T Dimensions (mm)	Impedance Tolerance	Impedance (Ω)at100MHz	Number Of Line	Taping
Common Mode Choke	7.0*6.0*3.8	± 20%	100	2P 2lines	
			300		
			500		
			600		
			700		
			1000		
			1300		
			2700		
			3000		

◆ OPERATING TEMPERATURE RANGE, PACKAGE QUANTITY.

Type	Temperature range		Reel Dimensions (mm)	Package quantity (pieces/reel)
	Operating Temperature °C	Storage Temperature °C (75% RH max)		
ACM7060M-Series	-40 to +125	-20 to +40	ø330	700

ACM7060M-Series (General differential Power Line)

2017/11/1

◆ ELECTRICAL CHARACTERISTICS

Impedance 100MHz DC	Resistance	Rated Voltage	Insulation Resistance	Rated Current	MARK	Part No.
(Ω)	(m Ω) max.	(V) max.	(M Ω)min.	(A)max.		
Min	Typ					
40	70	5	125	10	15.0	400 ACM7060M-400-2P-T
100	140	10	125	10	9.0	101 ACM7060M-101-2P-T
225	300	10	125	10	5.0	301 ACM7060M-301-2P-T
275	350	10	125	10	5.0	501 ACM7060M-501-2P-T
500	700	15	125	10	4.0	601 ACM7060M-601-2P-T
500	700	15	125	10	4.0	701 ACM7060M-701-2P-T
800	1020	17	125	10	3.0	102 ACM7060M-102-2P-T
910	1300	21	125	10	2.5	132 ACM7060M-132-2P-T
2000	2700	63	125	10	1.0	272 ACM7060M-272-2P-T
2500	3000	75	125	10	0.9	302 ACM7060M-302-2P-T

◆ Measurement Equipment

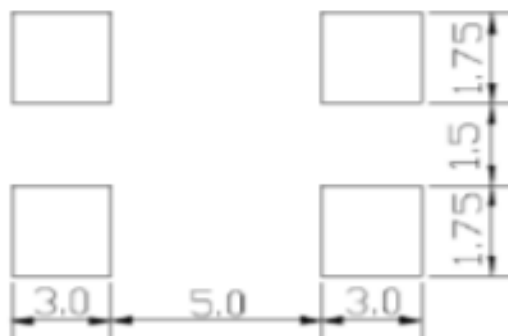
Measurement Item	Meter	Manufacturer
Common Mode Impedance	4287A	Agilent
DC Resistance	16502	Chroma
Insulation Resistance	4339B	Agilent / Chroma

※Rated Current: Temp.rise 40°C Typ

※Marking black words

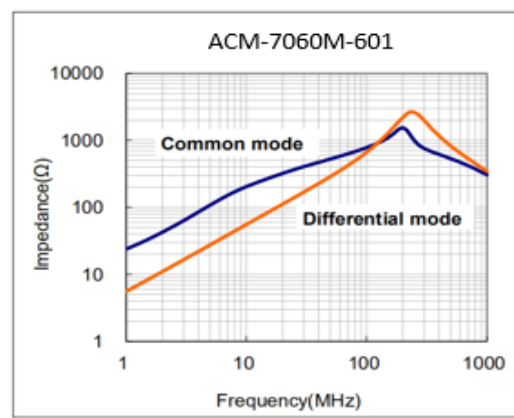
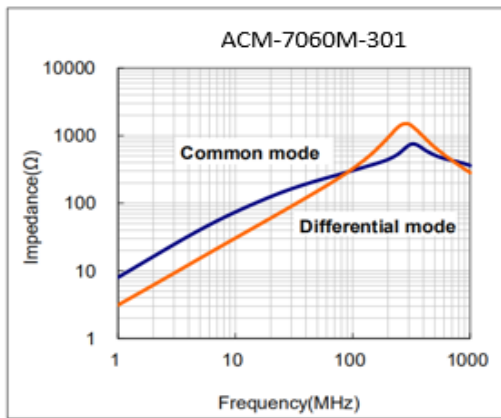
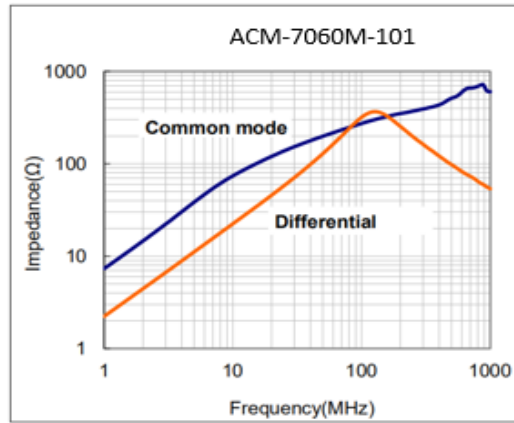
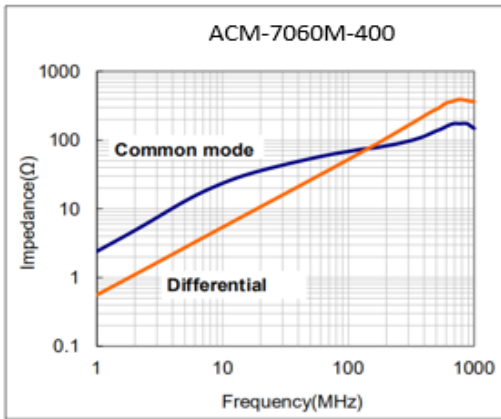
※Marking Damaged area less than 0.3mm is allowed

◆ Recommended Soldering Conditions (Please use this product by reflow soldering)





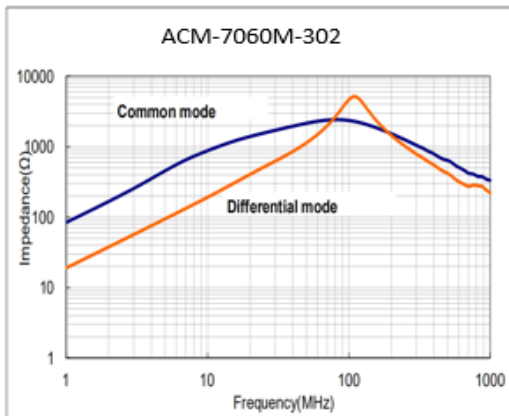
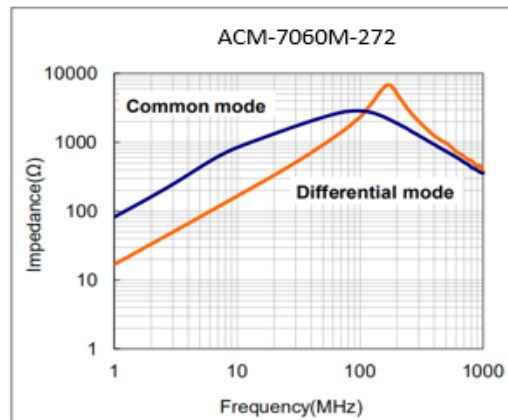
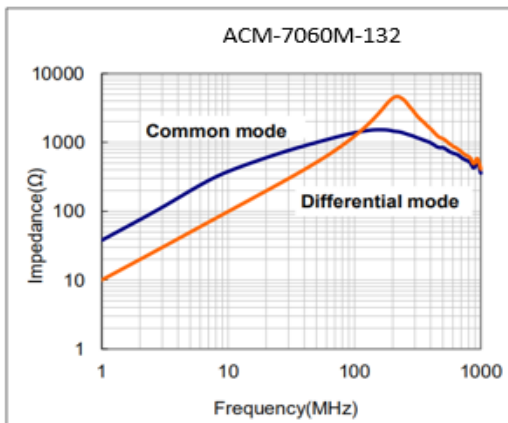
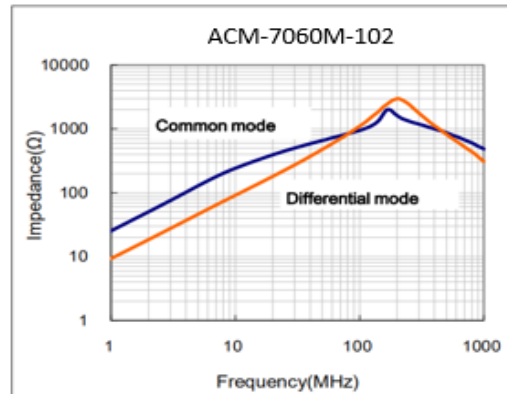
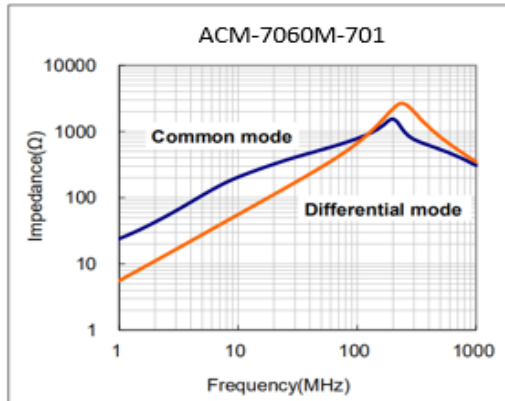
◆CHARACTERISTICS(REFERENCE)





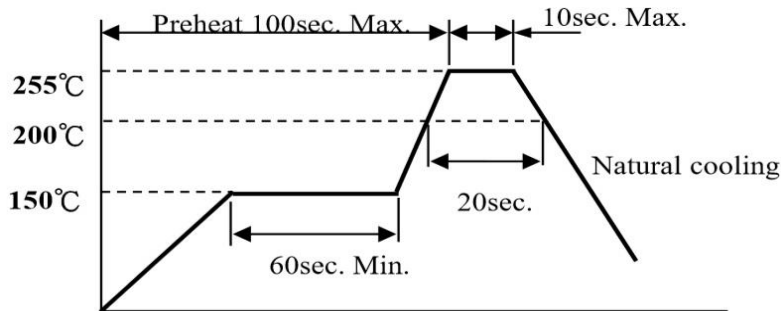
◆CHARACTERISTICS(REFERENCE)

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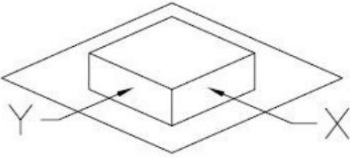


◆ RECOMMENDED REFLOW PROFILE

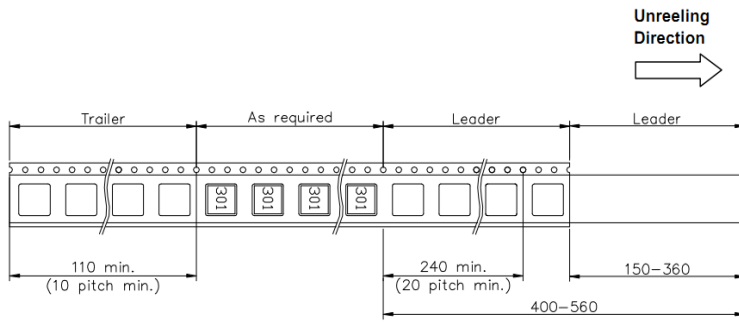
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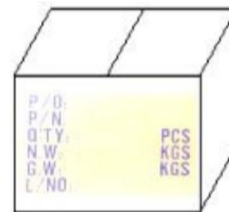
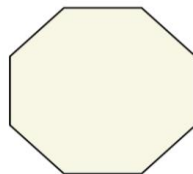
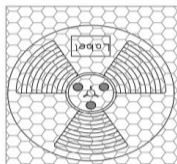
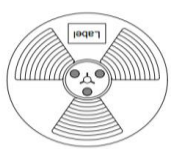
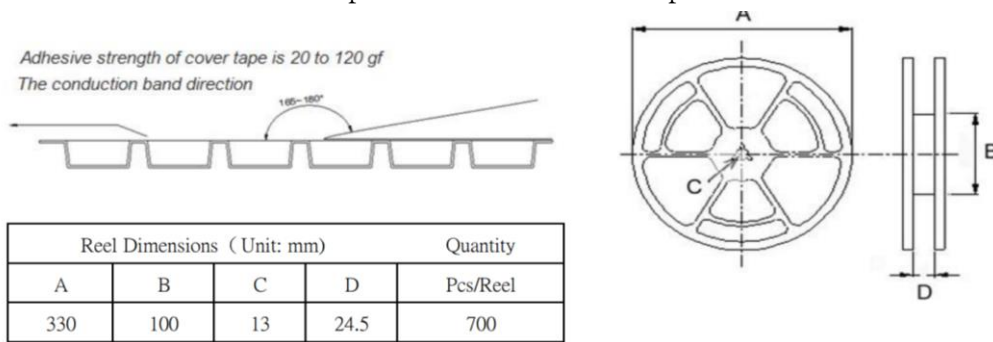
◆ MECHANICAL RELIABILITY

Operating Temperature	-40 to +125 (Contain Heating coil)
Appearance Inspection	No external defects by visual inspection
Terminal Strength	 <p>After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 1 ON(1 .02kg) for1 0+/-2 sec. Terminal should not peel off. (Refer to figure at right)</p>
Heat endurance of reflow soldering	Refer to figure
Insulating resistance	Over 1 00 MΩ at 1 00V D.C . 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) × 1 0 / °C (- 40~ + 1 25 °C)
Humidity characteristics	Inductance deviation within ± 1 0% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C and 1 hours drying under normal condition
<p>A test is made under the above mentioned condition , and it is kept for 2 hours in the normal</p>	

◆ Reel Dimension & Tape Dimension



Transparent carrier and cover tape



Reel: 13' (Ø330mm)
1500pcs/Reel

PE Bag
1500pcs/bag

Inside Box
4500pcs/Box

Out Side Box
22,500pcs/Box