

Power Common Mode Chokes



ACMP-9050 Series

Request Samples



Check Inventory



9.0 x 7.0 x 5.0mm
RoHS/RoHS II Compliant
MSL Level = 1

Features

- Commercial Grade
- PPAP ready and supported
- Excellent impedance characteristics
- Rated current up to 6A
- Extremely Low DCR

Applications

- DC power line common mode noise suppression.
- Switch Mode Power Supplies and regulators
- Variable Frequency Drives
- AC/DC power rectifiers

Electrical Specifications

Part Number	Impedance (Ω) @100MHz		DCR (mΩ)	Rated Current (A)	Rated Voltage (Vdc)	Insulation Resistance (MΩ)
	Min	Typ.	Max	Typ.	Max	Min
ACMP-9050-301	225	300	6	6.0	125	10
ACMP-9050-601	450	600	8	5.5	125	10
ACMP-9050-701	500	700	10	5.0	125	10
ACMP-9050-102	750	1000	13	4.0	125	10
ACMP-9050-132	1000	1300	17	4.0	125	10
ACMP-9050-172	1200	1700	20	4.0	125	10
ACMP-9050-222	1700	2200	60	2.5	125	10
ACMP-9050-272	2000	2700	65	2.5	125	10
ACMP-9050-302	2500	3000	70	1.9	125	10

Rated Current is based on an Irms temperature rise of 40°C

Operating Temperature: -40°C to +125°C (Including self-heating)

Storage (in original packaging): <40°C, <60% RH

ACMP-9050 Series is RoHS Compliant and Pb free

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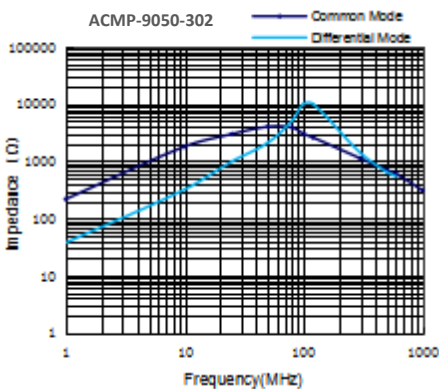
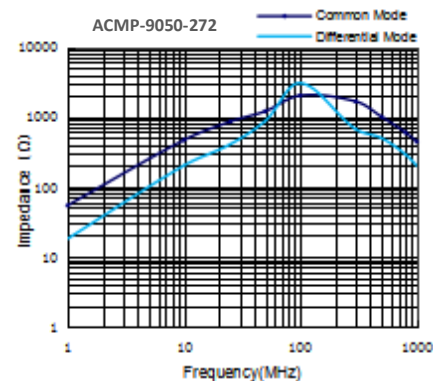
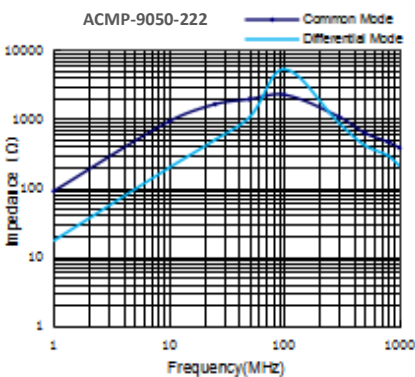
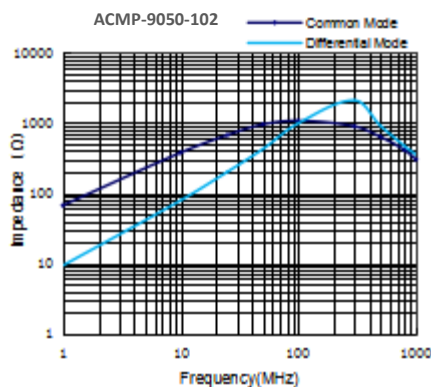
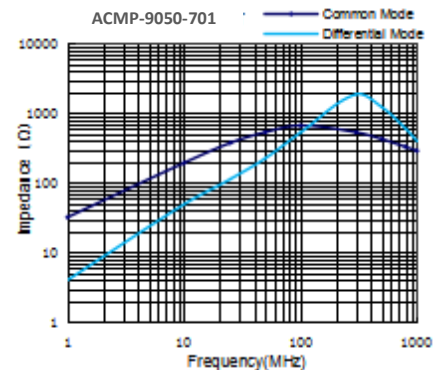
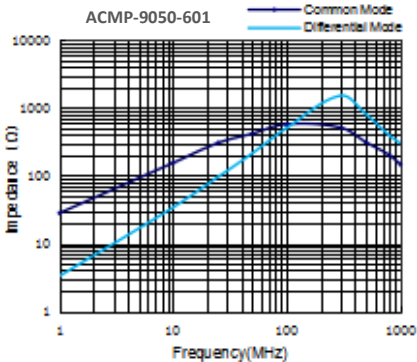
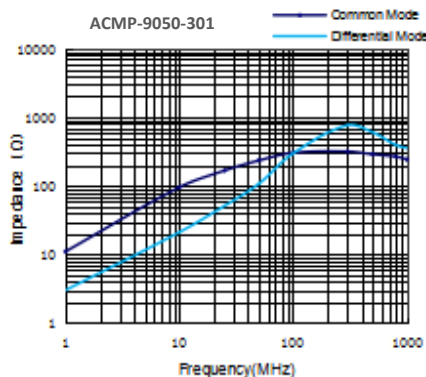


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Electrical Specifications (Cont'd)



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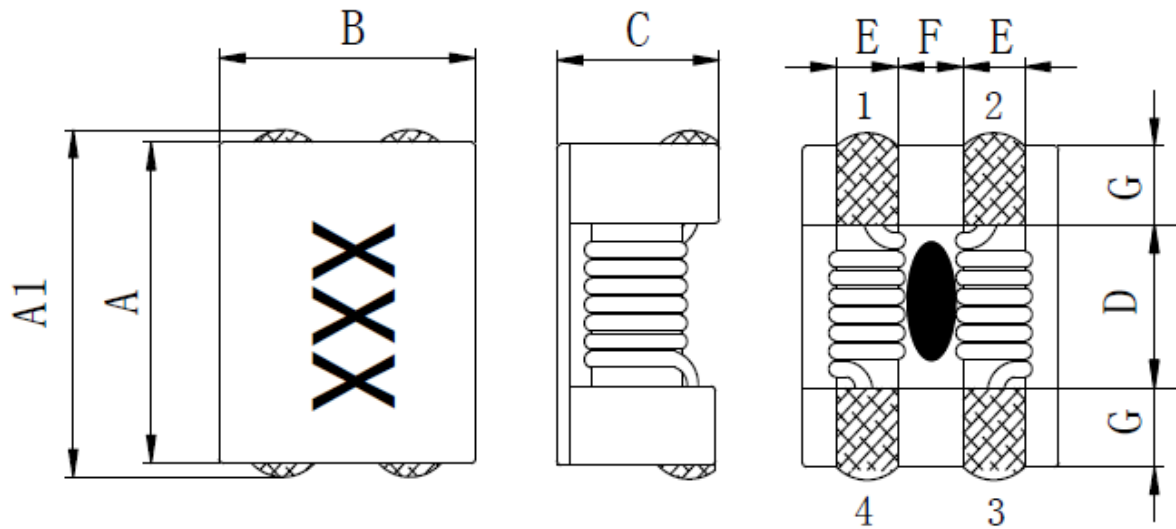


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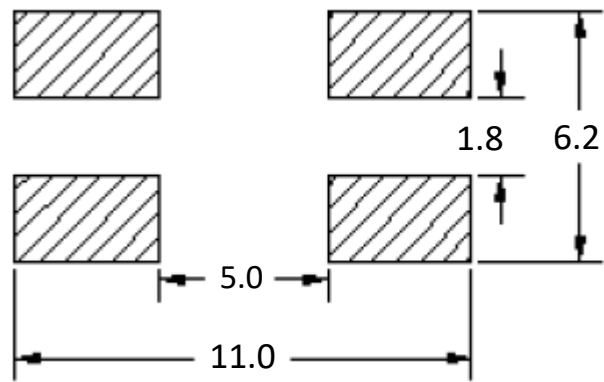


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Mechanical Specifications



A	A1	B	C	D	E	F	G
9.0 ± 0.5	9.5 ± 0.6	7.0 ± 0.5	5.0 MAX	5.7 Ref.	1.5 Ref	2.0 Ref.	1.7 Ref.



Recommended Layout

Dimensions: mm

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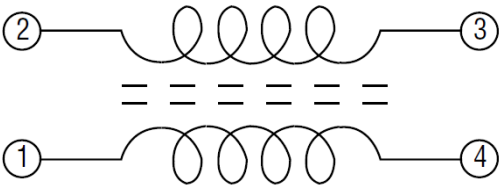


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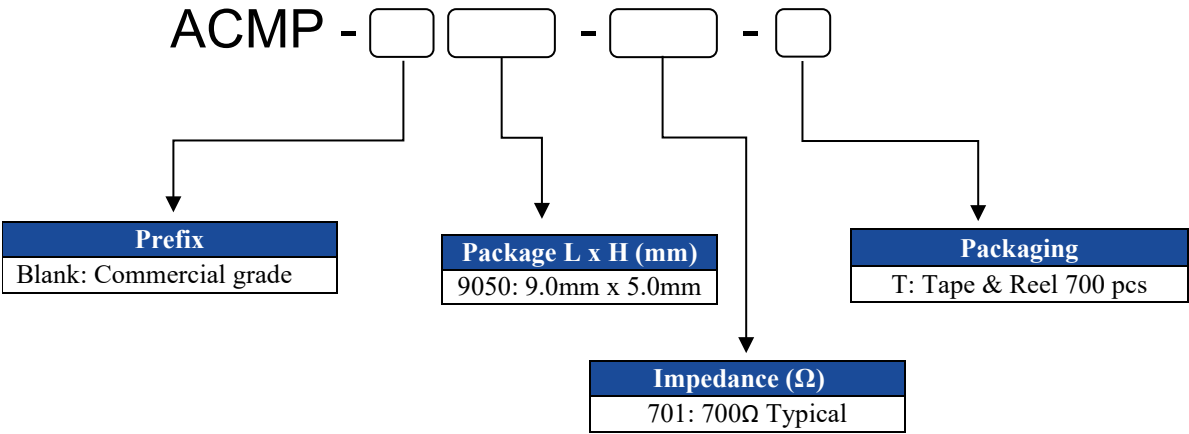
Schematic



Materials

Description	Specification
Core	Ferrite core
Wire	Enameled copper wire
Base	Plastic
Adhesive	Epoxy resin
Terminal	Sn/Cu
Ink	White

Part Identification



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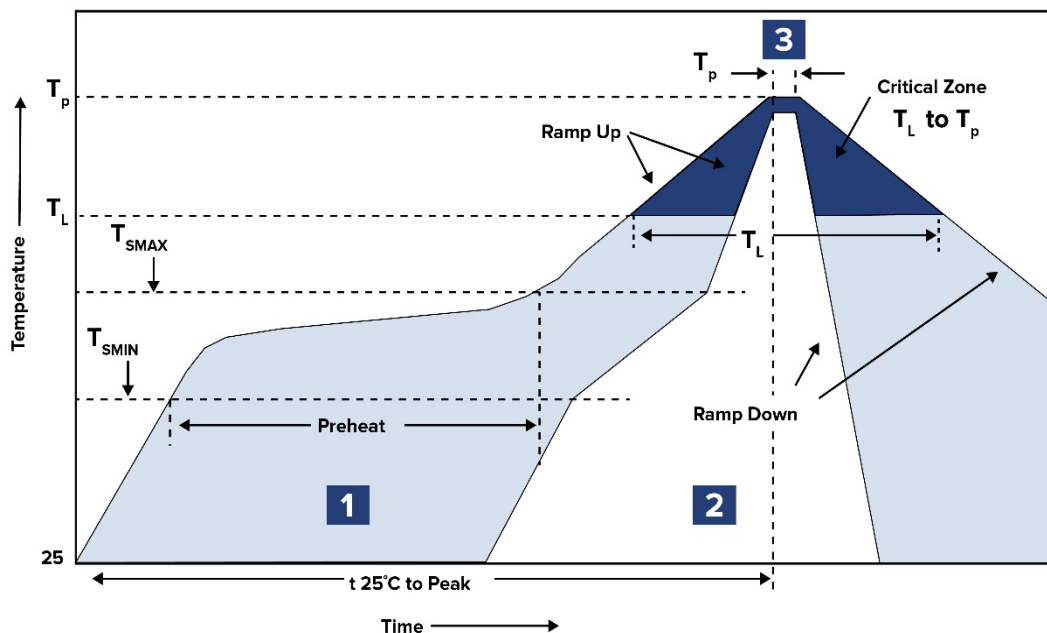


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Reflow Profile



Zone	Description	Temperature	Times
1	Preheat	$T_{SMIN} \sim T_{SMAX}$ 150°C ~ 190°C	60 ~ 120 sec.
2	Reflow	T_L 240°C	20 ~ 40 sec.
3	Peak heat	T_p 260°C Max.	5 sec. Max

1~2 °C/Sec. Ramp

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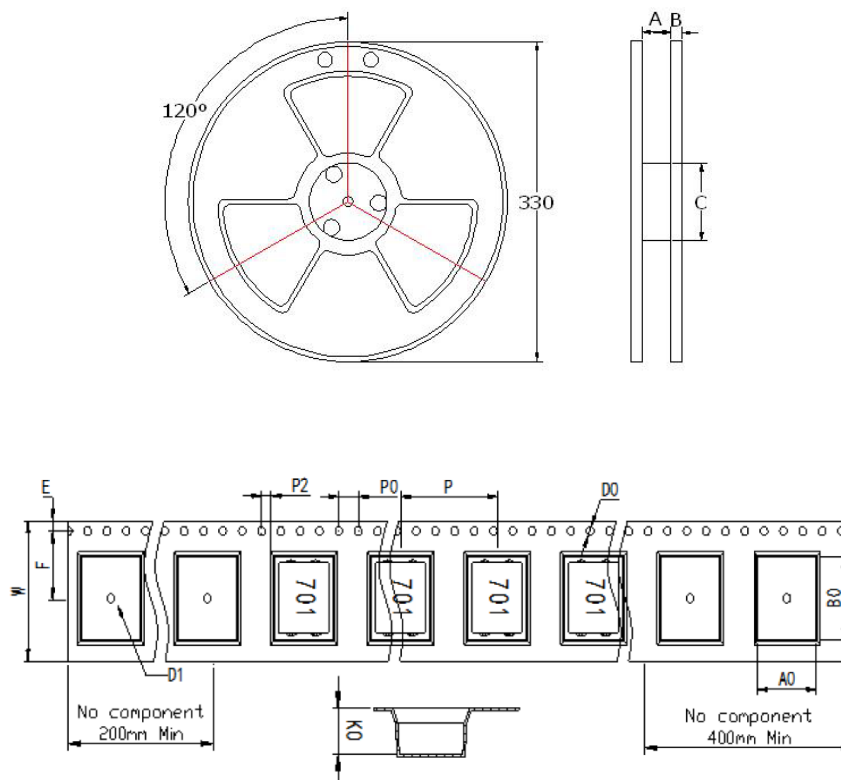
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Packing

Tape & Reel: 700pcs/reel



W	P	P0	P2	D0	E	F	A0	B0	K0
24 ± 0.30	16 ± 0.10	4.0 ± 0.10	2.0 ± 0.10	1.5 ± 0.10	1.75 ± 0.10	11.5 ± 0.10	7.6 ± 0.10	9.6 ± 0.10	5.1 ± 0.10

Dimensions: mm

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