

Power Common Mode Chokes



ACMP-1264 Series

Request Samples



Check Inventory



12 x 10.8 x 6.4 mm
RoHS/RoHS II Compliant
MSL Level = 1

Features

- Commercial Grade
- PPAP ready and supported
- Excellent impedance characteristics
- Rated current up to 10A
- 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 (m Ω)	Rated Current (A)	Rated Voltage (Vdc)	Insulation Resistance (M Ω)
	Min	Typ.	Max	Typ.	Max	Min
ACMP-1264-231	80	230	4.0	10	125	10
ACMP-1264-701	500	700	6.0	8.0	125	10
ACMP-1264-801	600	800	8.0	8.0	125	10
ACMP-1264-102	750	1000	14	6.0	125	10
ACMP-1264-132	910	1300	23	4.5	125	10
ACMP-1264-252	2200	2500	35	1.8	125	10
ACMP-1264-272	2300	2700	50	1.5	125	10

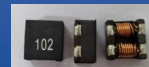
Rated Current is based on an Irms temperature rise of 40°C

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

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

ACMP-1264 Series is RoHS Compliant and Pb free

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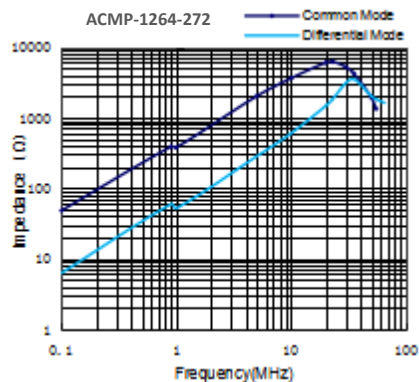
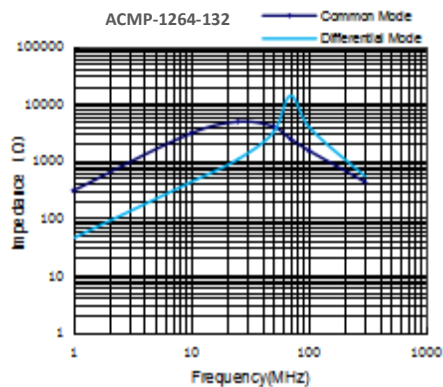
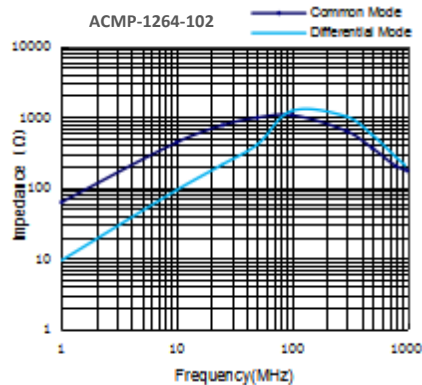
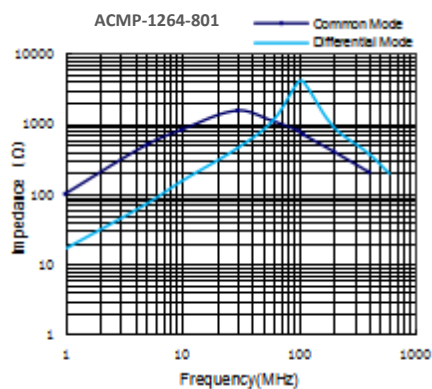
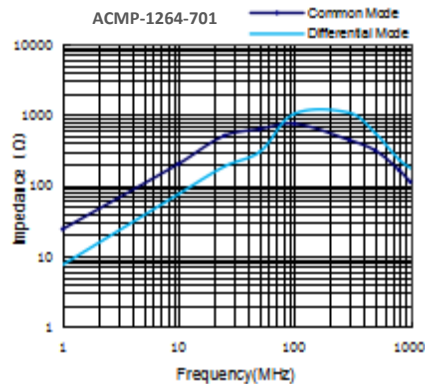
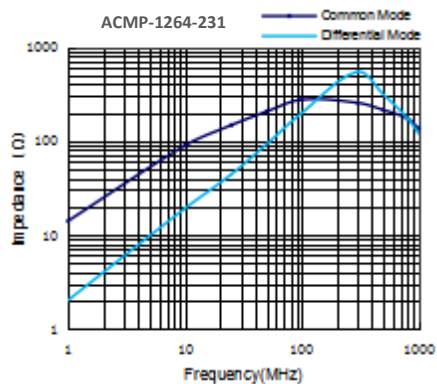


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Electrical Specifications (Cont'd)



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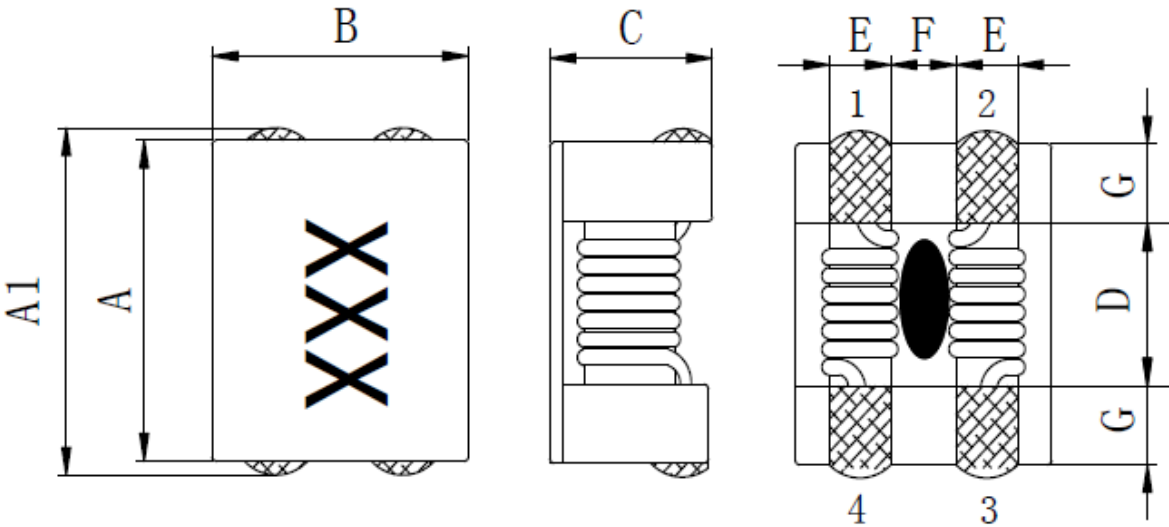


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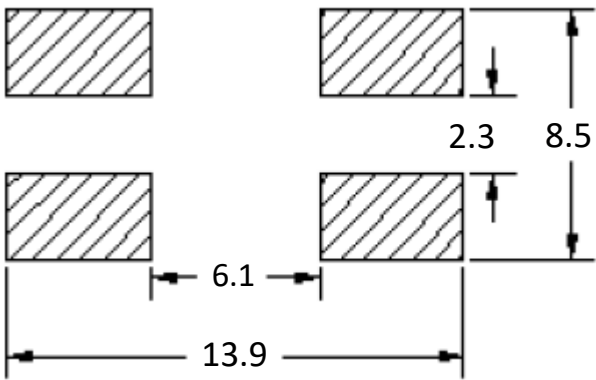


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Mechanical Specifications



A	A1	B	C	D	E	F	G
12.0 ± 0.5	12.5 ± 0.6	10.8 ± 0.5	6.4 MAX	7.0 Ref.	2.7 Ref	2.5 Ref.	2.5 Ref.



Recommended Layout

Dimensions: mm

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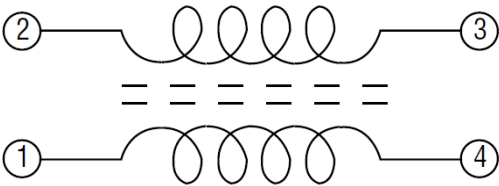


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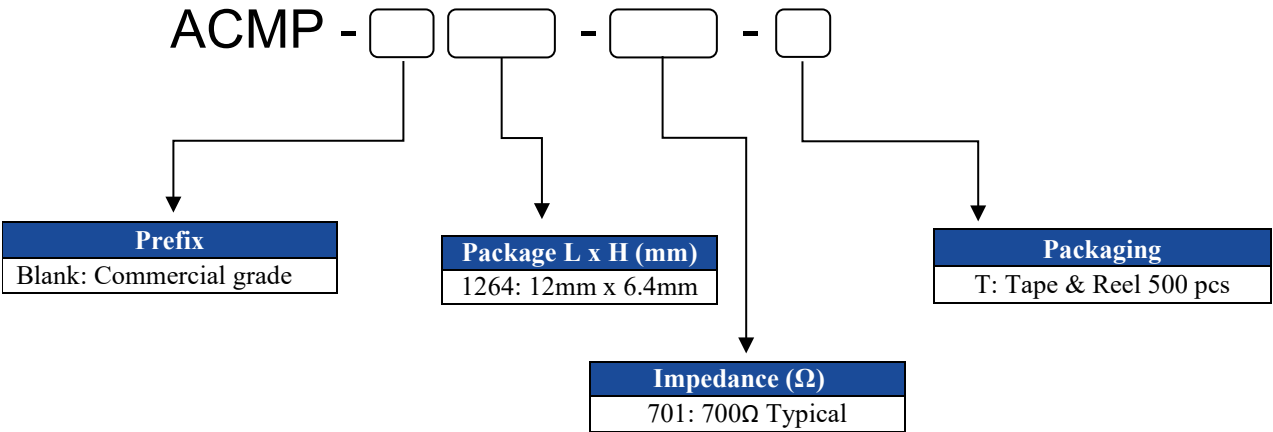
Schematic



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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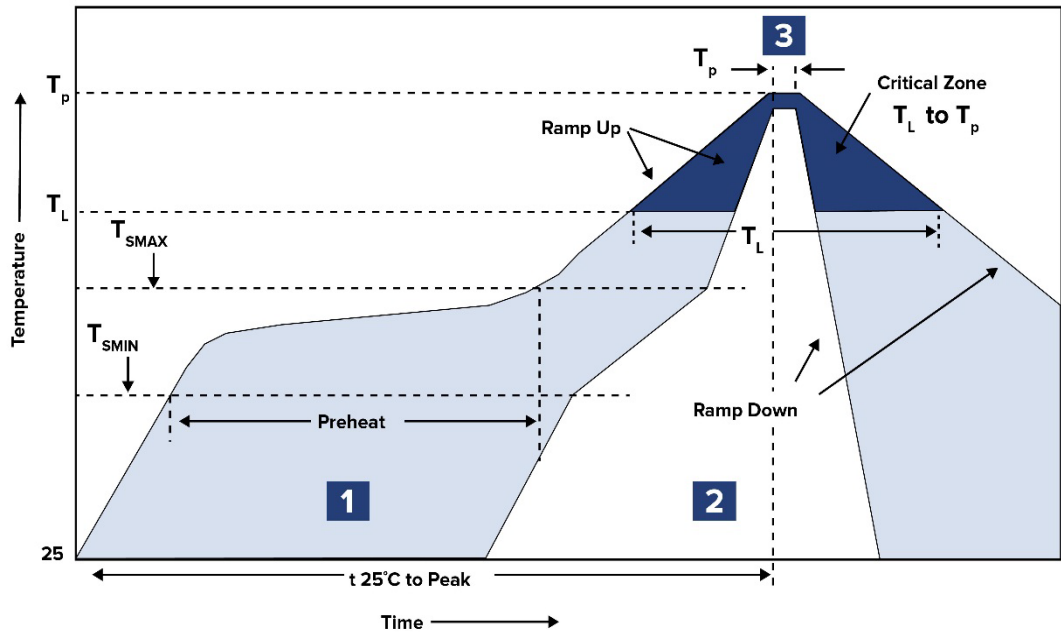


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Reflow Profile



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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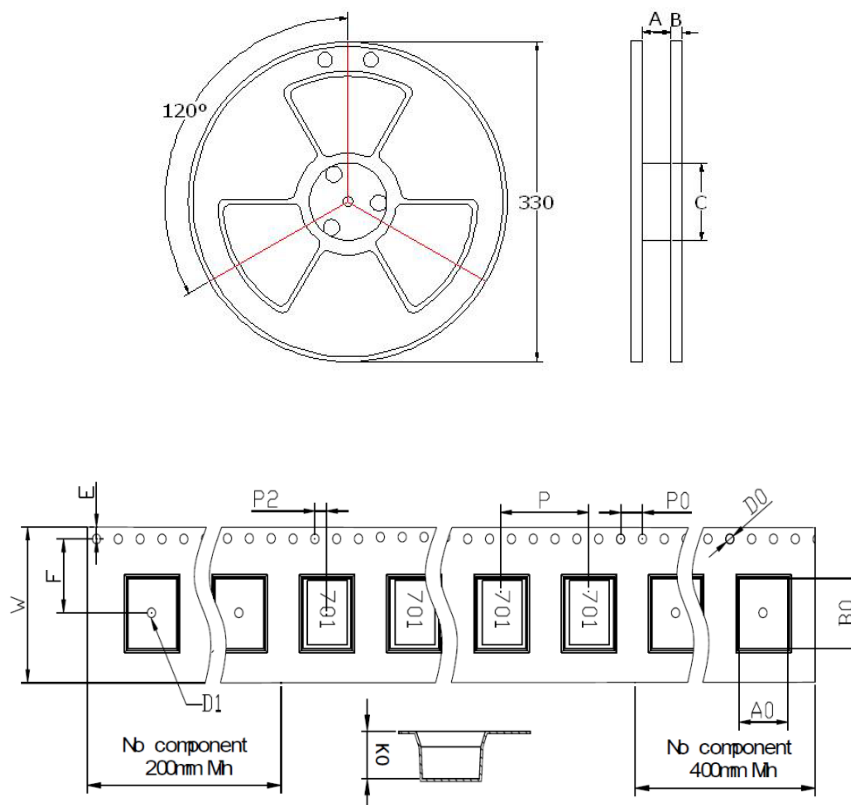
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Packing

Tape & Reel: 500pcs/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	11.3 ± 0.10	13.0 ± 0.10	6.6 ± 0.10

Dimensions: mm

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5101 Hidden Creek Ln Spicewood TX 78669
 Phone: 512-371-6159 | Fax: 512-351-8858
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