

# Power Common Mode choke



## ACMP-4724 Series

Request Samples



Check Inventory



4.7 x 4.5 x 2.4 mm  
RoHS/RoHS II Compliant  
MSL Level = 1

### Features

- Commercial Grade
- PPAP ready and supported
- Excellent impedance characteristics
- Rated current up to 3.2A
- 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 ( $\Omega$ ) @100MHz		DCR (m $\Omega$ )	Rated Current (A)	Rated Voltage (Vdc)	Insulation Resistance (M $\Omega$ )
	Min	Typ.	Max	Typ.	Max	Min
ACMP-4724-900	30	90	35	3.2	50	10
ACMP-4724-151	80	150	38	3.1	50	10
ACMP-4724-231	180	230	39	3.0	50	10
ACMP-4724-301	180	300	39	3.0	50	10
ACMP-4724-401	200	400	50	2.5	50	10
ACMP-4724-501	300	500	55	2.4	50	10
ACMP-4724-701	500	700	59	2.2	50	10
ACMP-4724-901	700	900	68	2.1	50	10
ACMP-4724-102	800	1000	68	2.1	50	10
ACMP-4724-122	1000	1200	74	2.0	50	10
ACMP-4724-142	1200	1400	81	1.9	50	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, <70% RH**

**ACMP-4724 Series is RoHS Compliant and Pb free**

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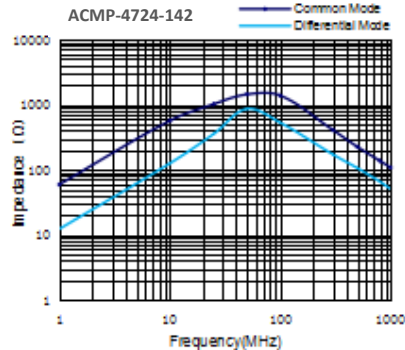
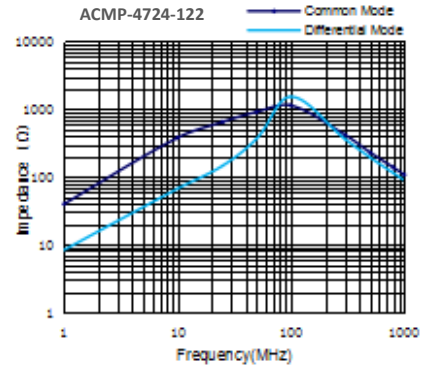
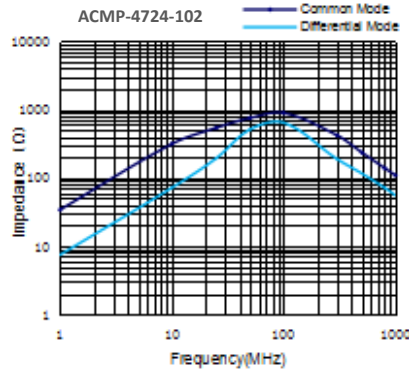
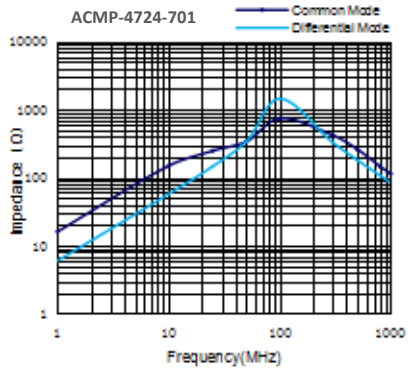
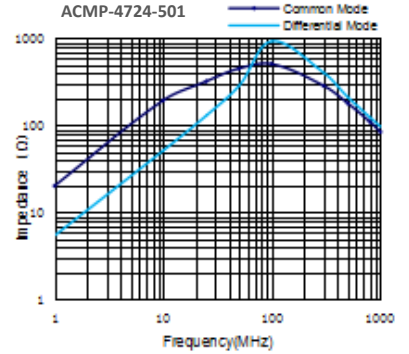
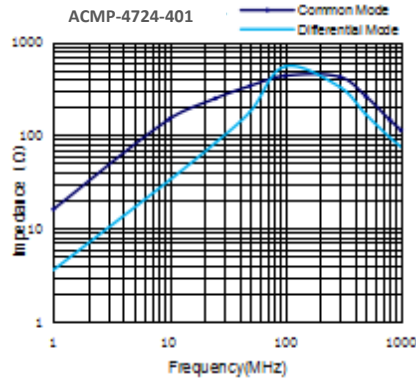
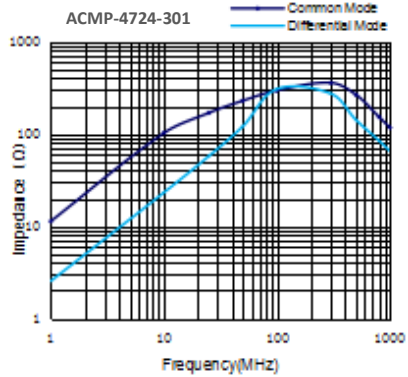
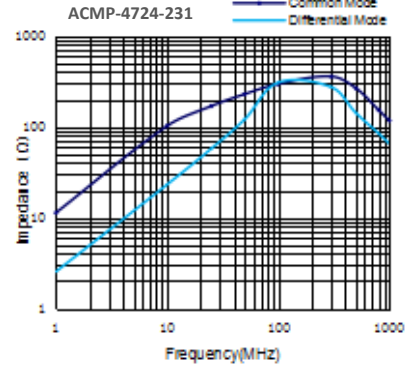
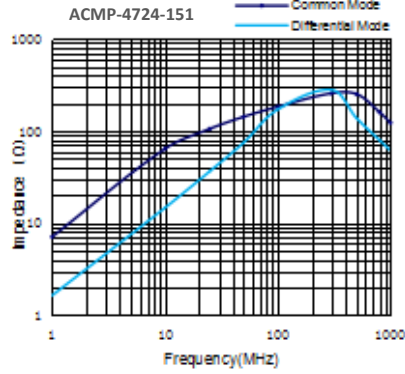
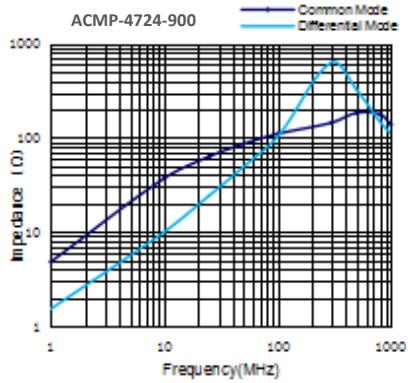


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### Electrical Specifications



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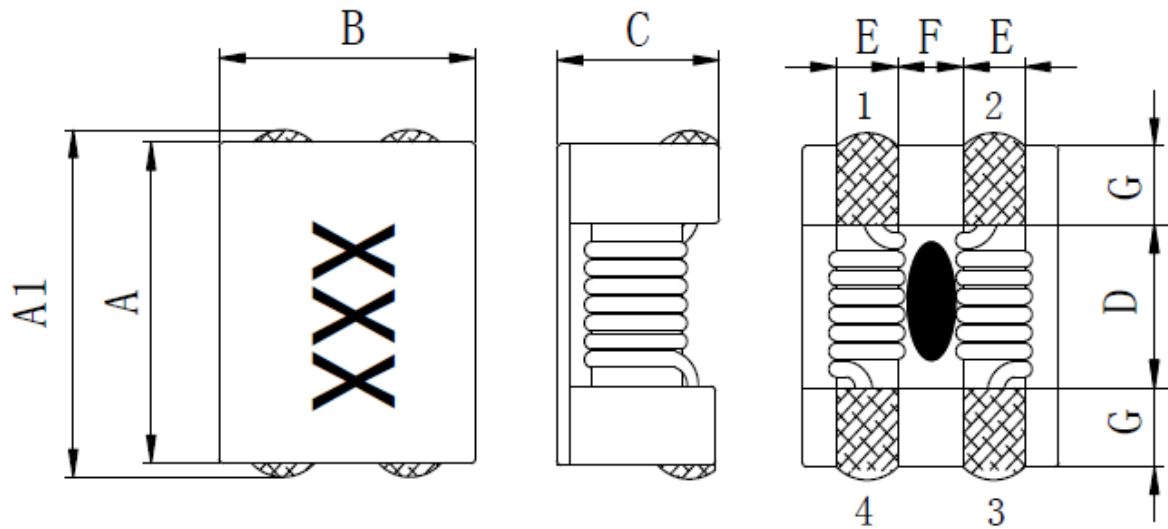


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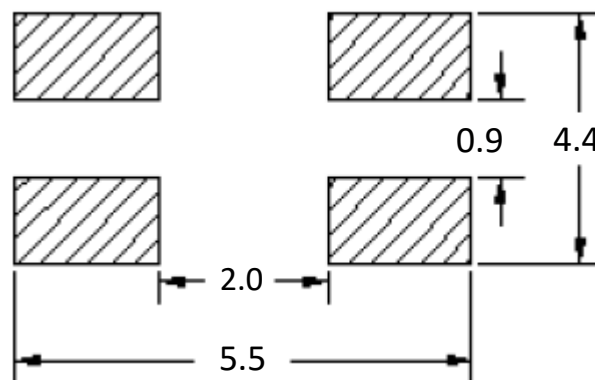


4.7 x 4.5 x 2.4 mm  
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## Mechanical Specifications



A	A1	B	C	D	E	F	G
4.7 ± 0.5	5.2 ± 0.6	4.5 ± 0.5	2.4 MAX	2.7 Ref.	0.75 Ref	1.25 Ref.	1 Ref.



## Recommended Layout

Dimensions: mm

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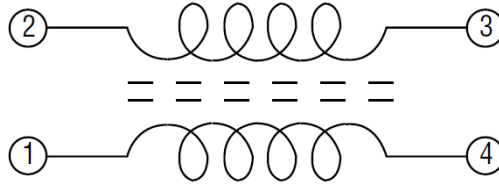


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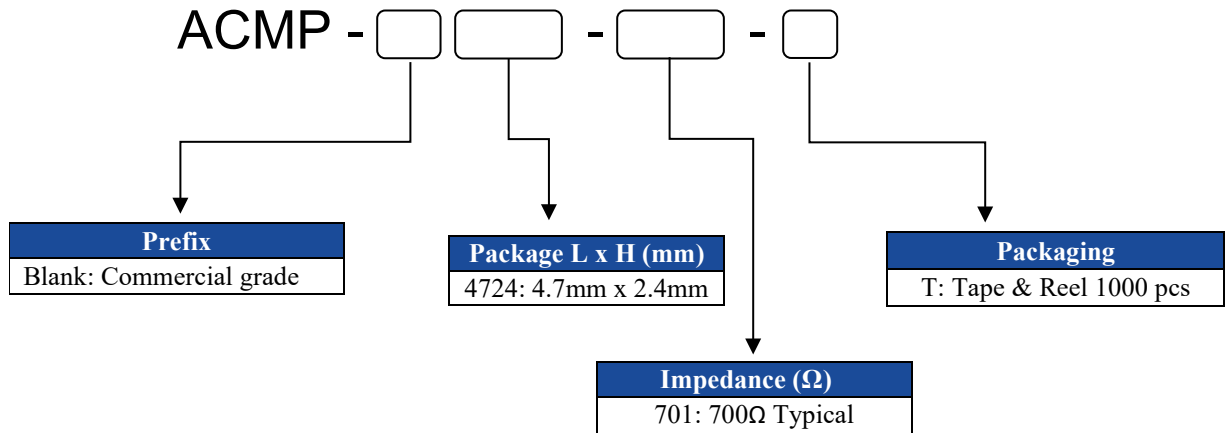
## Schematic



## 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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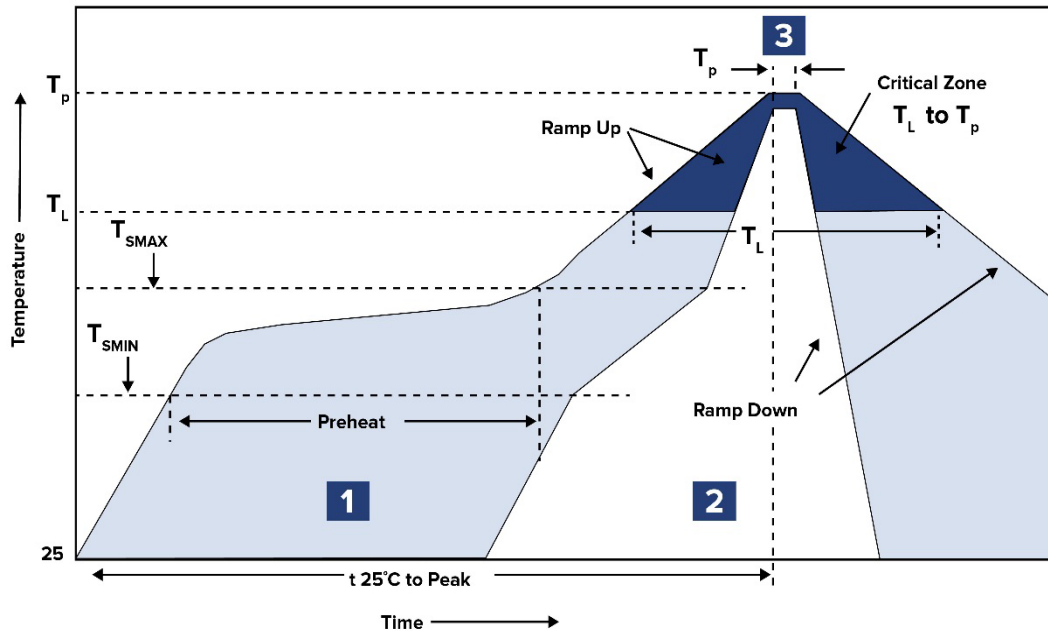


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## Reflow Profile



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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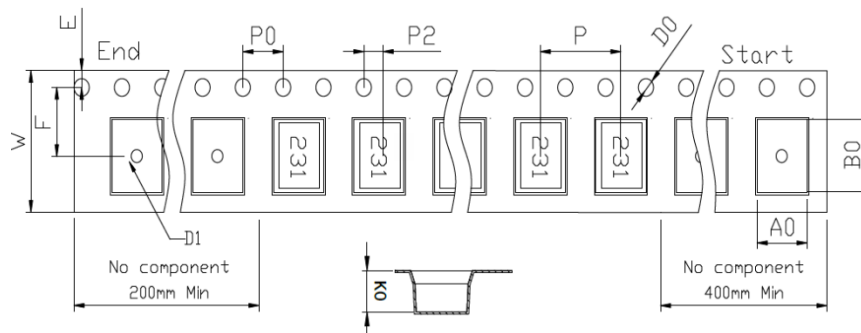
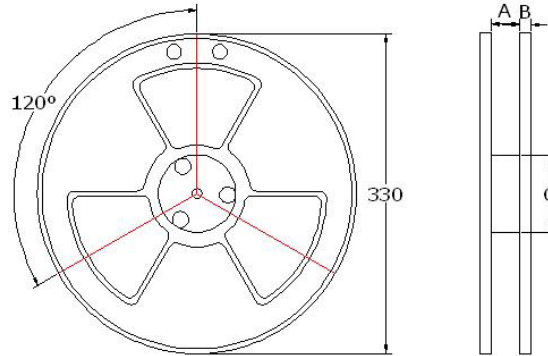
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## Packing

**Tape & Reel: 1000pcs/reel**



W	P	P0	P2	D0	E	F	A0	B0	K0
12 ± 0.30	8.0 ± 0.10	4.0 ± 0.10	2.0 ± 0.10	1.5 ± 0.10	1.75 ± 0.10	5.5 ± 0.10	5.0 ± 0.10	5.2 ± 0.10	2.5 ± 0.10

**Dimensions: mm**

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