

Chip Bead CPAM Series

Automotive AEC-Q200

Product Identification

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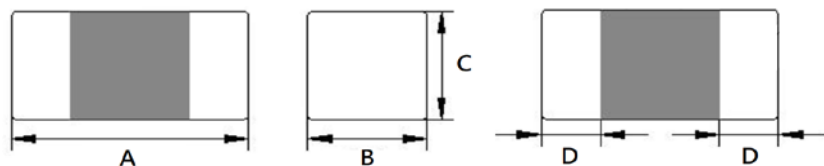
Series name	Dimensions (LxWxH)		Internal Code
CPAM	100505	1.0 x 0.50 x 0.5 mm	T
	160808	1.6 x 0.80 x 0.8 mm	
	201209	2.0 x 1.25 x 0.9 mm	
	321611	3.2 x 1.60 x 1.1 mm	

Inductance		Tolerance	
R47	0.47	Y	25%
1R0	1		
R82	0.82		

Rating

Operating Temperature range : -40°C ~ +125°C

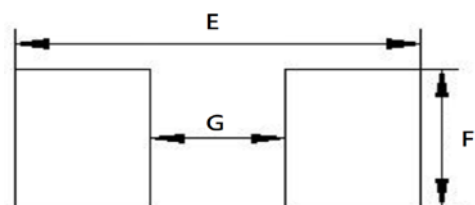
Shape and Dimension



Dimensions in mm

TYPE	A	B	C	D
CPAM100505	1.00±0.10	0.50±0.10	0.50±0.10	0.25±0.10
CPAM160808	1.60±0.15	0.80±0.15	0.80±0.15	0.30±0.20
CPAM201209	2.00±0.20	1.25±0.20	0.90±0.20	0.50±0.30
CPAM321611	3.20±0.20	1.60±0.20	1.10±0.20	0.50±0.30

Recommended PCB Pattern



Dimensions in mm

TYPE	E	F	G
CPAM100505	1.20-1.40	0.50	0.40
CPAM160808	1.80-2.00	0.60-0.80	0.70-0.80
CPAM201209	2.60-4.00	1.00-1.20	1.00-1.20
CPAM321611	4.20-5.20	1.20	2.00

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Electrical Characteristics (CPAM100505 TYPE)

Part No.	Impedance (Ω)	Tolerance (%)	DC Resistance (Ω) Max.	Rated Current (mA) Max.	Test Frequency
CPAM100505T-100Y	10	25%	0.030	2000	100 MHz / 200 mV
CPAM100505T-300Y	30	25%	0.050	1700	100 MHz / 200 mV
CPAM100505T-600Y	60	25%	0.075	1500	100 MHz / 200 mV
CPAM100505T-121Y	120	25%	0.090	1400	100 MHz / 200 mV
CPAM100505T-181Y	180	25%	0.140	900	100 MHz / 200 mV
CPAM100505T-221Y	220	25%	0.180	1100	100 MHz / 200 mV
CPAM100505T-601Y	600	25%	0.340	700	100 MHz / 200 mV
CPAM100505T-102Y	1000	25%	0.490	500	100 MHz / 200 mV

Electrical Characteristics (CPAM160808 TYPE)

Part No.	Impedance (Ω)	Tolerance (%)	DC Resistance (Ω) Max.	Rated Current (mA) Max.	Test Frequency
CPAM160808T-100Y	10	25%	0.020	4000	100 MHz / 200 mV
CPAM160808T-300Y	30	25%	0.030	3000	100 MHz / 200 mV
CPAM160808T-600Y	60	25%	0.040	3000	100 MHz / 200 mV
CPAM160808T-800Y	80	25%	0.050	2500	100 MHz / 200 mV
CPAM160808T-121Y	120	25%	0.080	2500	100 MHz / 200 mV
CPAM160808T-181Y	180	25%	0.090	2000	100 MHz / 200 mV
CPAM160808T-221Y	220	25%	0.100	2000	100 MHz / 200 mV
CPAM160808T-301Y	300	25%	0.120	1500	100 MHz / 200 mV
CPAM160808T-471Y	470	25%	0.150	1500	100 MHz / 200 mV
CPAM160808T-601Y	600	25%	0.200	1000	100 MHz / 200 mV
CPAM160808T-102Y	1000	25%	0.250	800	100 MHz / 200 mV

Electrical Characteristics (CPAM201209 TYPE)

Part No.	Impedance (Ω)	Tolerance (%)	DC Resistance (Ω) Max.	Rated Current (mA) Max.	Test Frequency
CPAM201209T-100Y	10	25%	0.010	6000	100 MHz / 200 mV
CPAM201209T-300Y	30	25%	0.015	4000	100 MHz / 200 mV
CPAM201209T-600Y	60	25%	0.030	3000	100 MHz / 200 mV
CPAM201209T-800Y	80	25%	0.040	3000	100 MHz / 200 mV
CPAM201209T-121Y	120	25%	0.040	3000	100 MHz / 200 mV
CPAM201209T-201Y	200	25%	0.050	2500	100 MHz / 200 mV
CPAM201209T-221Y	220	25%	0.080	2000	100 MHz / 200 mV
CPAM201209T-301Y	300	25%	0.080	2000	100 MHz / 200 mV
CPAM201209T-471Y	470	25%	0.100	2000	100 MHz / 200 mV
CPAM201209T-601Y	600	25%	0.100	2000	100 MHz / 200 mV
CPAM201209T-102Y	1000	25%	0.120	1500	100 MHz / 200 mV

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Electrical Characteristics (CPAM321611 TYPE)

Part No.	Impedance (Ω)	Tolerance (%)	DC Resistance (Ω) Max.	Rated Current (mA) Max.	Test Frequency
CPAM321611T-300Y	30	25%	0.015	4000	100 MHz / 200 mV
CPAM321611T-600Y	60	25%	0.020	4000	100 MHz / 200 mV
CPAM321611T-121Y	120	25%	0.030	3000	100 MHz / 200 mV
CPAM321611T-221Y	220	25%	0.050	2000	100 MHz / 200 mV
CPAM321611T-301Y	300	25%	0.060	2000	100 MHz / 200 mV
CPAM321611T-601Y	600	25%	0.100	2000	100 MHz / 200 mV

NOTE

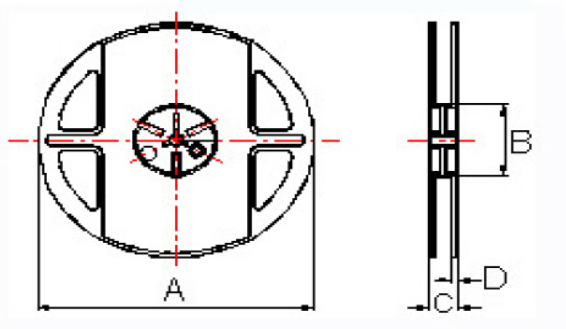
1. When ordering, please specify tolerance code. Tolerance: Y=±25%
2. Rate Current : Applied the current to coils, the temperature rise shall not be more than 30°C
3. Measure Equipment :
 Z : HP4291A
 RDC : HP4338B or CHEN HWA 502

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1. Packing Specifications

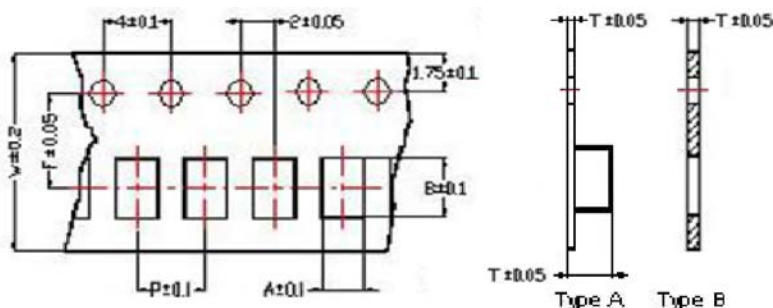
1. Reel Dimensions



Reel Dimension(mm)

TYPE	PCS / Reel	A	B	C	D
CBAM100505	10000	178	60	12	2
CBAM160808	4000	178	60	12	2
CBAM201209	4000	178	60	12	2
CBAM321611	3000	178	60	12	2

2. Tape Dimensions



Tape Dimension(mm)

TYPE	A	B	T	W	P	F	K	Tape
CBAM100505	0.62	1.12	0.60	8	2	3.5	-	B
CBAM160808	1.05	1.85	0.95	8	4	3.5	-	B
CBAM201209	1.50	2.30	0.97	8	4	3.5	-	B
CBAM321611	1.88	3.50	0.22	8	4	3.5	1.27	A

3. Tape Material

Cover Tape: Polystyrene

