

Power Inductor APCF Series

**Automotive
AEC-Q200**

RoHS Compliant
Halogen Free
REACH Compliant



Power
Circuit

Shield

Wire
Wound

Ferrite

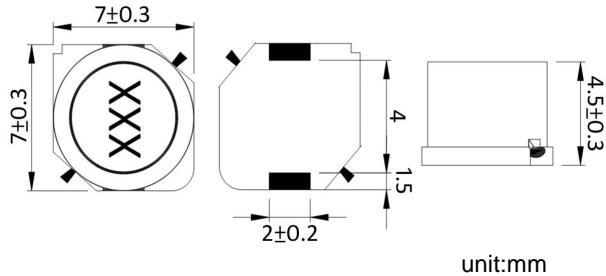
Part Numbering

A	PCF	00	070745	1R0	M	00
Grade	Series Name	Control Code	Dimensions Code (mm)	Inductance (uH)	Tolerance	Internal Code
			070745 7x7x4.5	1R0 1	M ±20%	
			131375 12.5x12.5x7.5	100 10	T ±30%	
				101 100		

Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

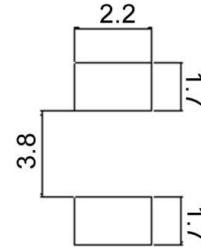
APCF00070745 Type

■ Dimensions



unit:mm

■ Recommended Land Pattern



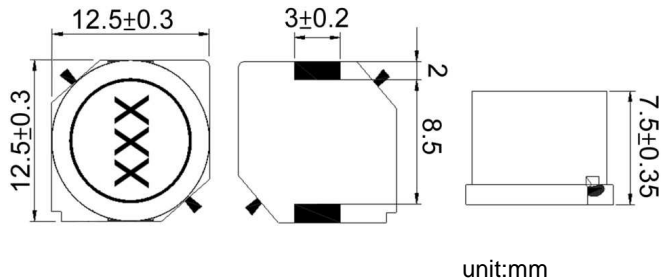
unit:mm

■ Electrical Characteristics

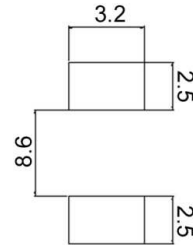
Part No.	Inductance (uH)	Test Freq.	RDC (Ω)±20%	Isat (A)Max	Irms (A)Typ	Tolerance (±%)	Marking
APCF000707451R0□00	1.0	100kHz,0.5V	0.011	4.5	4.5	20,30	1R0
APCF000707452R2□00	2.2	100kHz,0.5V	0.015	3.4	3.3	20,30	2R2
APCF000707453R3□00	3.3	100kHz,0.5V	0.02	2.5	2.3	20,30	3R3
APCF000707454R7□00	4.7	100kHz,0.5V	0.03	2	2.1	20,30	4R7
APCF000707456R8□00	6.8	100kHz,0.5V	0.039	1.7	1.74	20,30	6R8
APCF00070745100□00	10	100kHz,0.5V	0.036	1.3	1.78	20,30	100
APCF00070745150□00	15	100kHz,0.5V	0.052	1.1	1.53	20,30	150
APCF00070745220□00	22	100kHz,0.5V	0.061	0.9	1.34	20,30	220
APCF00070745330□00	33	100kHz,0.5V	0.096	0.82	1.09	20,30	330
APCF00070745470□00	47	100kHz,0.5V	0.125	0.75	0.92	20,30	470
APCF00070745680□00	68	100kHz,0.5V	0.175	0.6	0.77	20,30	680
APCF00070745101□00	100	100kHz,0.5V	0.25	0.5	0.65	10,20	101
APCF00070745151□00	150	100kHz,0.5V	0.34	0.4	0.55	10,20	151
APCF00070745221□00	220	100kHz,0.5V	0.52	0.33	0.45	10,20	221
APCF00070745331□00	330	100kHz,0.5V	0.74	0.25	0.37	10,20	331
APCF00070745471□00	470	100kHz,0.5V	1.05	0.22	0.31	10,20	471
APCF00070745681□00	680	100kHz,0.5V	1.48	0.2	0.27	10,20	681
APCF00070745102□00	1000	100kHz,0.5V	2.28	0.14	0.25	10,20	102

Note: When ordering, please specify tolerance code. Tolerance: K=±10% / M=±20% / T=±30%

- Operating temperature range - 40°C ~ 125°C(Including self - temperature rise)
- Isat for Inductance drop 15% from its value without current
- Irms for a 25°C temprature rise from 25°C ambient with current
- Rated DC Current: The less value which is Isat or Irms
- Measure Equipment:
 L: HP4284A PRECISION LCR METER (or equivalent)
 RDC: CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)
 Isat:WK3255BQ+ WK3265B (or equivalent)
 Irms: WK3255BQ+ WK3265B (or equivalent)

APCF00131375 Type
■ Dimensions


unit:mm

■ Recommended Land Pattern


unit:mm

■ Electrical Characteristics

Part No.	Inductance (μH)	Test Freq.	RDC (Ω) $\pm 20\%$	Isat (A)Max	Irms (A)Typ	Tolerance ($\pm\%$)	Marking
APCF001313751R2□00	1.2	100kHz,0.5V	0.0069	13	8.2	30	1R2
APCF001313752R7□00	2.7	100kHz,0.5V	0.0094	10	7	30	2R7
APCF001313753R9□00	3.9	100kHz,0.5V	0.0104	9	6.7	30	3R9
APCF001313755R6□00	5.6	100kHz,0.5V	0.0116	7.8	6.3	30	5R6
APCF001313756R8□00	6.8	100kHz,0.5V	0.0131	7.2	5.9	30	6R8
APCF00131375100□00	10	100kHz,0.5V	0.0156	5.5	5.4	20,30	100
APCF00131375150□00	15	100kHz,0.5V	0.0184	4.7	5	20,30	150
APCF00131375220□00	22	100kHz,0.5V	0.0263	4	4	20,30	220
APCF00131375330□00	33	100kHz,0.5V	0.0395	3.2	3.4	20,30	330
APCF00131375470□00	47	100kHz,0.5V	0.0528	2.7	3	20,30	470
APCF00131375680□00	68	100kHz,0.5V	0.0778	2	2.4	20,30	680
APCF00131375101□00	100	100kHz,0.5V	0.125	1.9	1.9	20,30	101
APCF00131375151□00	150	100kHz,0.5V	0.175	1.5	1.6	20,30	151
APCF00131375221□00	220	100kHz,0.5V	0.258	1.3	1.3	20,30	221

Note: When ordering, please specify tolerance code. Tolerance: M= $\pm 20\%$ / T= $\pm 30\%$

- Operating temperature range - 40°C ~ 125°C(Including self - temperature rise)
- Isat for Inductance drop 10% from its value without current
- Irms for a 40°C temprature rise from 25°C ambient with current
- Rated DC Current: The less value which is Isat or Irms
- Measure Equipment:

L: HP4284A PRECISION LCR METER (or equivalent)

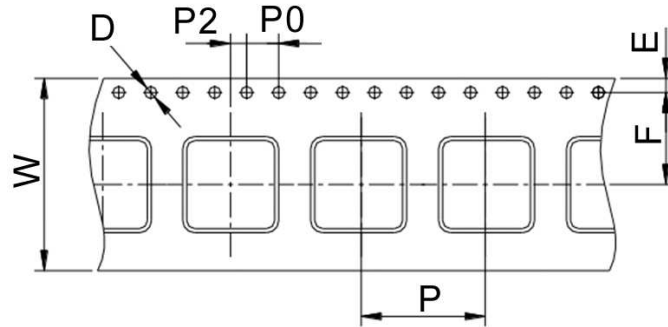
RDC: CHROMA MODEL 16502 MILLIOHMETER (or equivalent)

Isat:WK3255BQ+ WK3265B (or equivalent)

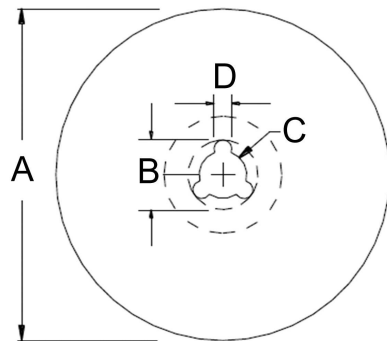
Irms: WK3255BQ+ WK3265B (or equivalent)

■ Packaging

Tape Dimensions



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions							Reel Dimensions				Quantity PCS / REEL
	W	D	E	F	P	P0	P2	A	B	C	D	
APCF00070745	16	1.5	1.75	7.5	12	4	2	330	20	13	2	1000
APCF00131375	24	1.5	1.75	11.5	16	4	2	330	20	13	2	500

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单击下面可查看定价，库存，交付和生命周期等信息

[>>CHILISIN\(奇力新\)](#)