

**Power Inductor APCS Series**

**Automotive  
AEC-Q200**

RoHS Compliant  
Halogen Free  
REACH Compliant



- Power Circuit
- Shield
- Wire Wound
- Ferrite

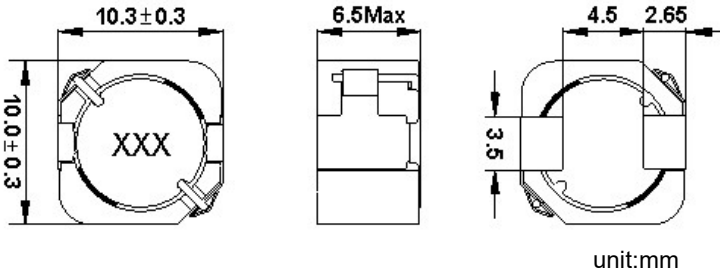
**Part Numbering**

A	PCS	00	101065	2R2	T	80
Grade	Series Name	Control Code	Dimensions Code (mm)	Inductance (uH)	Tolerance	Internal Code
			101065 10.3x10x6.5	1R0 1.0	M ±20%	80
			121280 12.5x12.3x8	100 10	T ±30%	
				101 100		

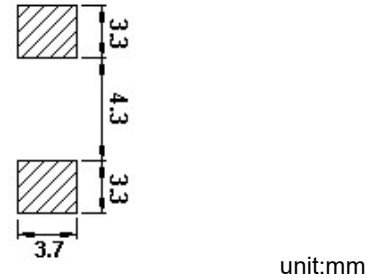
Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin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

**APCS00101065 Type**

**■ Dimensions**



**■ Recommended Land Pattern**



**■ Electrical Characteristics**

Part No.	Inductance (uH)	Test Freq.	RDC (mΩ)	Isat (A)Typ	Irms (A)Typ	Tolerance (±%)	Marking
APCS001010652R2□80	2.2	100kHz,0.25V	7.1±30%	11.0	8.5	30	2R2
APCS001010653R3□80	3.3	100kHz,0.25V	8.5±30%	8.40	8.1	30	3R3
APCS001010654R7□80	4.7	100kHz,0.25V	11±30%	8.00	7.0	30	4R7
APCS001010656R8□80	6.8	100kHz,0.25V	13±30%	6.50	6.6	30	6R8
APCS00101065100□80	10	100kHz,0.25V	17±20%	5.00	5.8	20,30	100
APCS00101065150□80	15	100kHz,0.25V	30±20%	4.40	4.1	20,30	150
APCS00101065220□80	22	100kHz,0.25V	43±20%	3.60	3.3	20,30	220
APCS00101065330□80	33	100kHz,0.25V	61±20%	3.10	2.9	20,30	330
APCS00101065470□80	47	100kHz,0.25V	74±20%	2.35	2.6	20,30	470
APCS00101065680□80	68	100kHz,0.25V	91±20%	2.05	2.4	20,30	680
APCS00101065101□80	100	100kHz,0.25V	150±20%	1.65	1.9	20,30	101
APCS00101065151□80	150	100kHz,0.25V	240±20%	1.35	1.5	20,30	151
APCS00101065221□80	220	100kHz,0.25V	350±20%	1.10	1.2	20,30	221
APCS00101065331□80	330	100kHz,0.25V	445±20%	0.90	1.1	20,30	331
APCS00101065471□80	470	100kHz,0.25V	600±20%	0.75	0.9	20,30	471

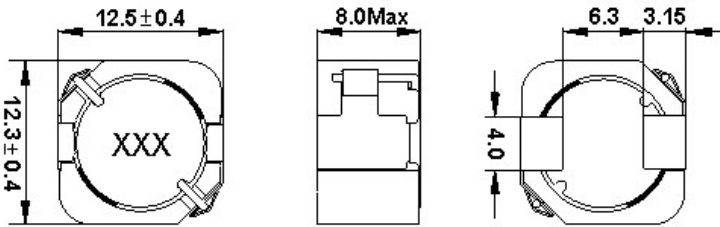
**Note: When ordering, please specify tolerance code. Tolerance: M=±20% / T=±30%**

1. Operating temperature range  $-40^{\circ}\text{C} \sim 165^{\circ}\text{C}$  (Including self - temperature rise)
2. Isat for Inductance drop 30% from its value without current
3. I rms for a  $40^{\circ}\text{C}$  temperature rise from  $25^{\circ}\text{C}$  ambient.
4. Measure Equipment:

L: HP4284A PRECISION LCR METER (or equivalent)  
RDC: CHROMA MODEL 16502 MILLIOHMETER (or equivalent)  
Isat: WK3255BQ+ WK3265B (or equivalent)  
I rms: WK3255BQ+ WK3265B (or equivalent)

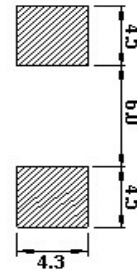
**APCS00121280 Type**

**■ Dimensions**



unit:mm

**■ Recommended Land Pattern**



unit:mm

**■ Electrical Characteristics**

Part No.	Inductance (uH)	Test Freq.	RDC (mΩ)	Isat (A)Typ	Irms (A)Typ	Tolerance (±%)	Marking
APCS001212801R5□80	1.5	100kHz,0.25V	5.5±30%	23.5	10.50	30	1R5
APCS001212802R2□80	2.2	100kHz,0.25V	6.3±30%	20.0	9.70	30	2R2
APCS001212803R3□80	3.3	100kHz,0.25V	7.7±30%	15.0	9.50	30	3R3
APCS001212804R7□80	4.7	100kHz,0.25V	8.7±30%	13.0	9.00	30	4R7
APCS001212806R8□80	6.8	100kHz,0.25V	10±20%	9.70	8.50	30	6R8
APCS00121280100□80	10	100kHz,0.25V	12±20%	9.20	7.70	20,30	100
APCS00121280150□80	15	100kHz,0.25V	24±20%	7.40	5.10	20,30	150
APCS00121280220□80	22	100kHz,0.25V	27±20%	5.80	4.50	20,30	220
APCS00121280330□80	33	100kHz,0.25V	52±20%	4.50	3.60	20,30	330
APCS00121280470□80	47	100kHz,0.25V	66±20%	4.20	3.20	20,30	470
APCS00121280680□80	68	100kHz,0.25V	90±20%	3.60	2.70	20,30	680
APCS00121280101□80	100	100kHz,0.25V	110±20%	2.90	2.60	20,30	101
APCS00121280151□80	150	100kHz,0.25V	170±20%	2.40	2.10	20,30	151
APCS00121280221□80	220	100kHz,0.25V	280±20%	1.95	1.60	20,30	221
APCS00121280331□80	330	100kHz,0.25V	410±20%	1.60	1.25	20,30	331
APCS00121280471□80	470	100kHz,0.25V	590±20%	1.30	1.10	20,30	471

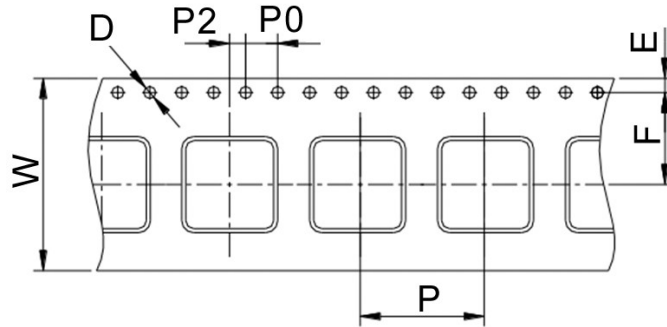
**Note: When ordering, please specify tolerance code. Tolerance: M=±20% / T=±30%**

1. Operating temperature range -40°C ~ 165°C (Including self - temperature rise)
2. Isat for Inductance drop 30% from its value without current
3. I rms for a 40°C temprature rise from 25°C ambient.
4. Measure Equipment:

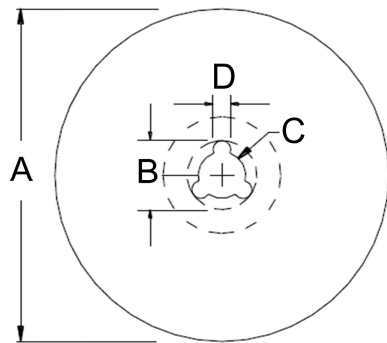
L: HP4284A PRECISION LCR METER (or equivalent)  
 RDC: CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)  
 Isat:WK3255BQ+ WK3265B (or equivalent)  
 I rms: WK3255BQ+ WK3265B (or equivalent)

**■ 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	
APCS00101065	24	1.5	1.75	11.5	16	4	2	330	20	13	2	500
APCS00121280	24	1.5	1.75	11.5	16	4	2	330	20	13	2	400

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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\(奇力新\)](#)