

Power Inductor APCK Series

**Automotive
AEC-Q200**

RoHS Compliant
Halogen Free
REACH Compliant



Power Circuit Shield Assembly Ferrite

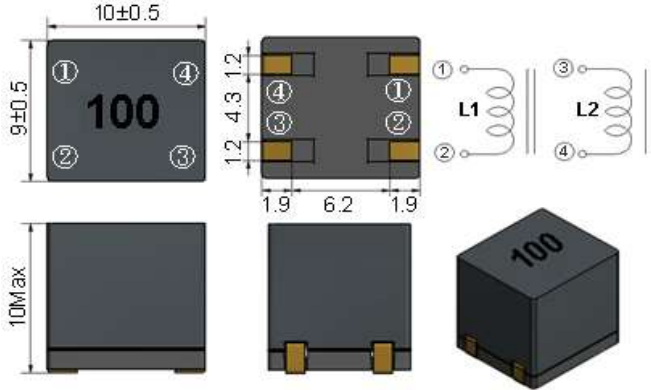
Part Numbering

A	PCK	00	080809	100	M	70
Grade	Series Name	Control Code	Dimensions Code (mm)	Inductance (uH)	Tolerance	Internal Code
			100910 10x9x10	100 10	M ±20%	80

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.

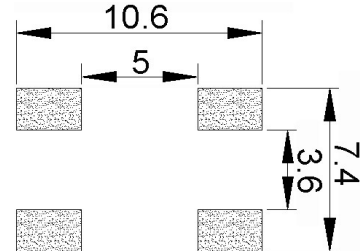
APCK00100910 Type

■ Dimensions



unit:mm

■ Recommended Land Pattern



unit:mm

■ Electrical Characteristics

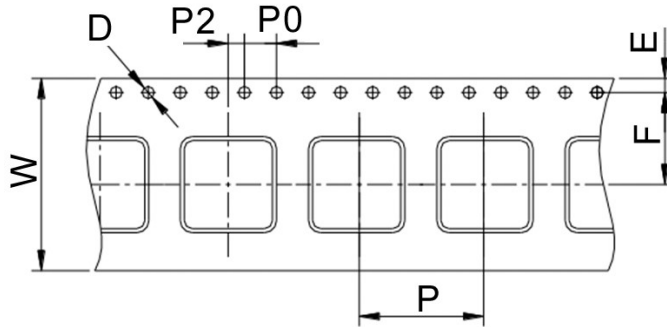
Part No.	Inductance L1,L2(μ H)	Test Freq.	RDC (m Ω)Max	Isat (A)	Irms (A)	Tolerance (\pm %)	Marking
APCK00100910100□80	10	100kHz,0.25V	22	5.0	3.9	20,30	100
APCK00100910220□80	22	100kHz,0.25V	52	3.2	2.5	20,30	220

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

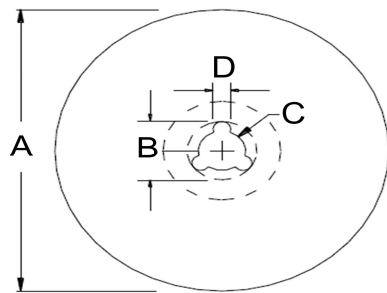
1. Operating temperature range $-40^{\circ}\text{C} \sim 165^{\circ}\text{C}$ (Including self - temperature rise)
2. Isat : Based on Inductance change drop ($\Delta L/L_0$: drop 30% Typ.)@ ambient temp. 25°C
3. Iirms : Based on temprature rise (ΔT : 40°C Typ.)
4. Temperature rise allowable current : A rise in temperature of core surface is within 40°C
5. Measure Equipment:
 - L: HP4284A PRECISION LCR METER (or equivalent)
 - RDC: CHROMA MODEL 16502 MILLIOHMMETER (or equivalent)
 - Isat: WK3255BQ+ WK3265B (or equivalent)
 - Iirms: 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	
APCK00100910	24	1.5	1.75	11.5	16	4	2	330	20	13	2	300