



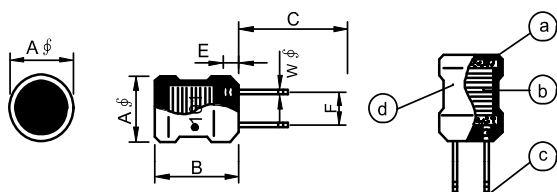
FEATURES

Entire winding core is encapsulated in heat shrunk UL tube to provide mechanical and environmental protection.
Low cost with rugged reliability and performance fixed inductor.
The products contain no lead and also support lead-free soldering.

APPLICATIONS

Excellent as DC-DC converter boost or buck inductors.
Also used for filtering applications.

DIMENSIONS



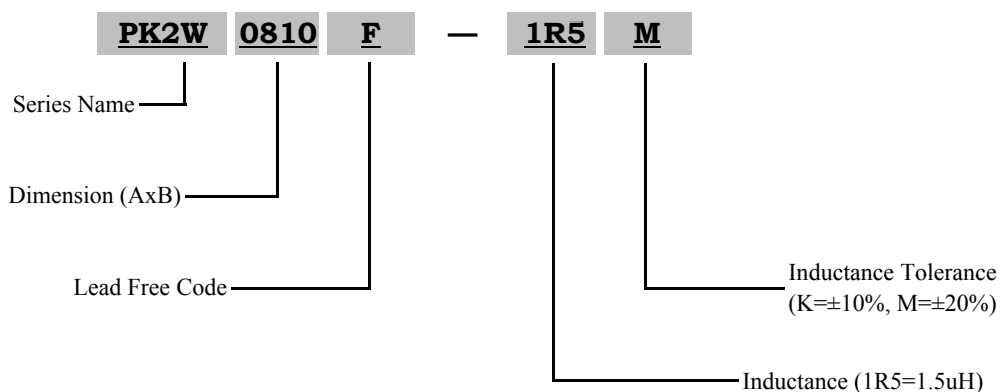
Chip Size:0810

A	B	C	E	F	W
8.70±0.5	10.0±1.0	5.0±1.0	2.5max.	5.0±0.8	Φ0.65

All dimensions in units:mm

	Material
a.Core	Ferrite DR Core
b.Wire	Enamelled Copper Wire 150℃
c.Lead	Tinned Copper Wire
d.shrinkable UL Tube	125℃,600V

PART NUMBERING



SPECIFICATION

Part Number	Inductance (uH)	Q min.	Test Freq. (Hz)		SRF (MHz)min.	DCR (Ω)max.	IDC (A)max.
			L	Q			
PK2W0810F-1R5M	1.5±20%	30	1K	7.960M	78.0	0.008	5.40
PK2W0810F-2R2M	2.2±20%	30	1K	7.960M	63.0	0.010	4.50
PK2W0810F-3R3M	3.3±20%	30	1K	7.960M	50.0	0.018	3.60
PK2W0810F-4R7M	4.7±20%	30	1K	7.960M	41.0	0.022	3.10
PK2W0810F-6R8M	6.8±20%	30	1K	7.960M	33.0	0.028	2.50
PK2W0810F-100K	10±10%	60	1K	2.520M	27.0	0.043	2.10
PK2W0810F-150K	15±10%	50	1K	2.520M	21.0	0.056	1.70
PK2W0810F-220K	22±10%	50	1K	2.520M	17.0	0.086	1.40
PK2W0810F-330K	33±10%	45	1K	2.520M	13.0	0.140	1.10
PK2W0810F-470K	47±10%	10	1K	2.520M	11.0	0.170	0.96
PK2W0810F-680K	68±10%	35	1K	2.520M	9.0	0.280	0.79
PK2W0810F-101K	100±10%	55	1K	0.796M	7.2	0.330	0.66
PK2W0810F-151K	150±10%	40	1K	0.796M	5.7	0.560	0.53
PK2W0810F-221K	220±10%	30	1K	0.796M	4.5	0.720	0.44
PK2W0810F-331K	330±10%	25	1K	0.796M	3.6	1.100	0.36
PK2W0810F-471K	470±10%	25	1K	0.796M	2.9	1.700	0.30
PK2W0810F-681K	680±10%	25	1K	0.796M	2.3	2.300	0.25
PK2W0810F-102K	1000±10%	25	1K	0.252M	1.9	4.300	0.20

Application Notice
●Storage Conditions

To maintain the solderability of terminal electrodes:

1. Temperature and humidity conditions:-10~40℃ and 30~70% RH.
2. Recommended products should be used within 6 months from the time of delivery.
3. The packaging material should be kept where on chlorine or sulfur exists in the air.

●Transportation

1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
2. The use of tweezers or vacuum pick up is strongly recommended for individual components.
3. Bulk handling should ensure that abrasion and mechanical shock are minimized.

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