



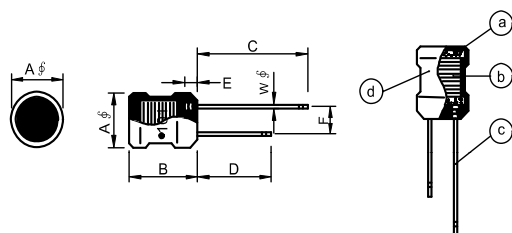
FEATURES

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



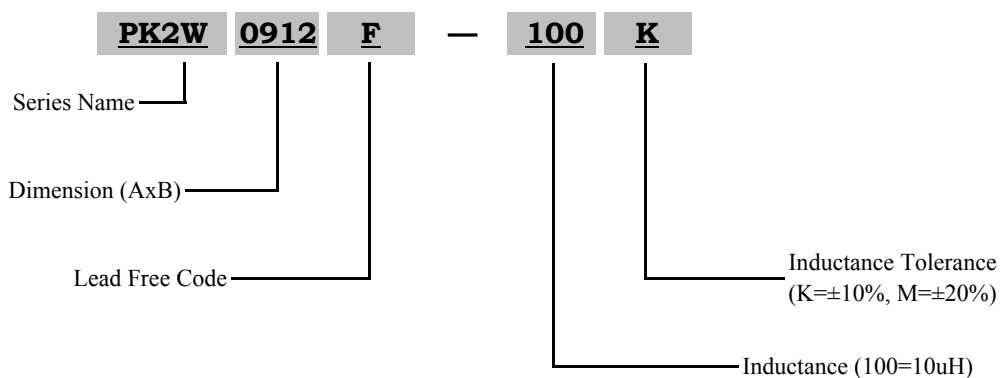
Chip Size:0912

A	B	C	D	E	F	W
8.70±0.5	12.0±1.0	25.0±5	18.0±5	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. (MHz) L,Q	SRF (MHz)min	DCR (Ω)max.	IDC (A)max.
PK2W0912F-100K	10±10%	110	2.52	24	0.04	2.8
PK2W0912F-120K	12±10%	110	2.52	18	0.04	2.7
PK2W0912F-150K	15±10%	110	2.52	11	0.05	2.3
PK2W0912F-180K	18±10%	90	2.52	8.4	0.06	2.1
PK2W0912F-220K	22±10%	90	2.52	9.2	0.07	2.0
PK2W0912F-270K	27±10%	90	2.52	7.1	0.10	1.7
PK2W0912F-330K	33±10%	90	2.52	7.1	0.12	1.5
PK2W0912F-390K	39±10%	80	2.52	6.9	0.12	1.4
PK2W0912F-470K	47±10%	70	2.52	6.0	0.13	1.3
PK2W0912F-560K	56±10%	70	2.52	5.7	0.14	1.2
PK2W0912F-680K	68±10%	60	2.52	5.4	0.15	1.0
PK2W0912F-820K	82±10%	50	2.52	4.6	0.16	0.90
PK2W0912F-101K	100±10%	45	796.0	3.20	0.85	0.350
PK2W0912F-121K	120±10%	45	796.0	3.00	0.95	0.330
PK2W0912F-151K	150±10%	45	796.0	2.80	1.05	0.310
PK2W0912F-181K	180±10%	45	796.0	2.50	1.15	0.300
PK2W0912F-221K	220±10%	40	796.0	2.10	1.30	0.280
PK2W0912F-271K	270±10%	40	796.0	2.00	1.50	0.260
PK2W0912F-331K	330±10%	40	796.0	1.95	1.70	0.240
PK2W0912F-391K	390±10%	40	796.0	1.85	1.85	0.230
PK2W0912F-471K	470±10%	35	796.0	1.55	2.30	0.210
PK2W0912F-561K	560±10%	35	796.0	1.30	2.55	0.200
PK2W0912F-681K	680±10%	35	796.0	1.15	2.85	0.190
PK2W0912F-821K	820±10%	35	796.0	1.00	3.10	0.180
PK2W0912F-102K	1000±10%	50	252.0	0.90	4.10	0.160
PK2W0912F-122K	1200±10%	50	252.0	0.80	4.70	0.150
PK2W0912F-152K	1500±10%	50	252.0	0.70	5.80	0.130
PK2W0912F-182K	1800±10%	50	252.0	0.60	7.40	0.115
PK2W0912F-222K	2200±10%	50	252.0	0.55	8.40	0.110
PK2W0912F-272K	2700±10%	50	252.0	0.50	9.60	0.095
PK2W0912F-332K	3300±10%	50	252.0	0.45	10.50	0.080

Part Number	Inductance (uH)	Q min.	Test Freq. (MHz) L,Q	SRF (MHz)min	DCR (Ω)max.	IDC (A)max.
PK2W0912F-392K	3900±10%	50	252.0	0.40	12.00	0.070
PK2W0912F-472K	4700±10%	45	252.0	0.38	14.00	0.065
PK2W0912F-562K	5600±10%	45	252.0	0.36	16.00	0.060
PK2W0912F-682K	6800±10%	40	252.0	0.34	18.00	0.055
PK2W0912F-822K	8200±10%	40	252.0	0.32	24.50	0.050
PK2W0912F-103K	10000±10%	50	79.6	0.30	32.00	0.045
PK2W0912F-123K	12000±10%	50	79.6	0.28	36.00	0.040
PK2W0912F-153K	15000±10%	50	79.6	0.26	48.00	0.035
PK2W0912F-183K	18000±10%	45	79.6	0.24	52.00	0.030
PK2W0912F-223K	22000±10%	45	79.6	0.22	58.00	0.028
PK2W0912F-273K	27000±10%	45	79.6	0.20	62.00	0.026
PK2W0912F-333K	33000±10%	45	79.6	0.18	90.00	0.024
PK2W0912F-393K	39000±10%	40	79.6	0.17	100.00	0.022
PK2W0912F-473K	47000±10%	35	79.6	0.16	150.00	0.020
PK2W0912F-563K	56000±10%	35	79.6	0.15	200.00	0.018
PK2W0912F-683K	68000±10%	35	79.6	0.14	220.00	0.016
PK2W0912F-823K	82000±10%	30	79.6	0.12	240.00	0.014

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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