



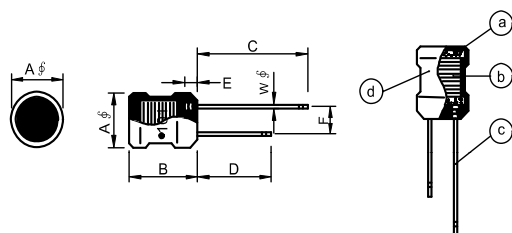
FEATURES

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



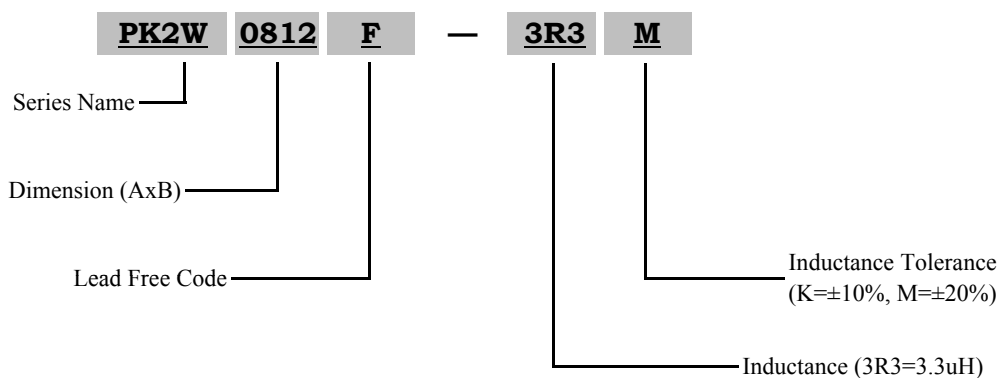
Chip Size:0812

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 Frequency (MHz)L.Q	SRF (MHz)min.	DCR (Ω)max	IDC (A)max
PK2W0812F-3R3M	3.3±20%	20	7.96	70.0	0.027	3.60
PK2W0812F-4R7M	4.7±20%	20	7.96	50.0	0.033	3.20
PK2W0812F-6R8M	6.8±20%	20	7.96	30.0	0.039	3.00
PK2W0812F-100K	10±10%	50	2.52	20.0	0.048	2.70
PK2W0812F-120K	12±10%	50	2.52	15.0	0.055	2.50
PK2W0812F-150K	15±10%	50	2.52	10.0	0.060	2.40
PK2W0812F-180K	18±10%	40	2.52	9.5	0.065	2.30
PK2W0812F-220K	22±10%	40	2.52	9.0	0.090	1.90
PK2W0812F-270K	27±10%	40	2.52	8.5	0.110	1.80
PK2W0812F-330K	33±10%	40	2.52	8.0	0.120	1.70
PK2W0812F-390K	39±10%	30	2.52	7.0	0.130	1.60
PK2W0812F-470K	47±10%	30	2.52	6.0	0.140	1.50
PK2W0812F-560K	56±10%	30	2.52	5.0	0.200	1.30
PK2W0812F-680K	68±10%	30	2.52	4.5	0.210	1.20
PK2W0812F-820K	82±10%	30	2.52	4.0	0.230	1.10
PK2W0812F-101K	100±10%	30	0.796	3.5	0.280	1.00
PK2W0812F-121K	120±10%	30	0.796	3.0	0.320	0.90
PK2W0812F-151K	150±10%	30	0.796	2.8	0.370	0.80
PK2W0812F-181K	180±10%	30	0.796	2.6	0.540	0.75
PK2W0812F-221K	220±10%	30	0.796	2.4	0.600	0.70
PK2W0812F-271K	270±10%	20	0.796	2.2	0.680	0.65
PK2W0812F-331K	330±10%	20	0.796	2.0	0.760	0.60
PK2W0812F-391K	390±10%	20	0.796	1.9	0.085	0.55
PK2W0812F-471K	470±10%	20	0.796	1.8	1.300	0.50
PK2W0812F-561K	560±10%	20	0.796	1.7	1.400	0.45
PK2W0812F-681K	680±10%	20	0.796	1.6	1.600	0.40
PK2W0812F-821K	820±10%	20	0.796	1.5	1.800	0.35
PK2W0812F-102K	1000±10%	40	0.252	1.3	2.100	0.30

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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