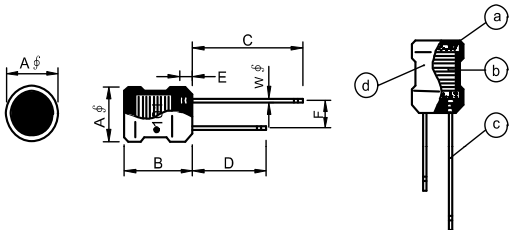
FEATURES

Entire winding core is encapsulated in heat shrinked 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:0608

A	B	C	D	E	F	W
6.5±0.5	10.0±1.0	15 min.	10 min.	2.5max.	3.0±0.5	Φ0.60

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

PK2W 0608 F — 100 K

- PK2W — Series Name
- 0608 — Dimension (AxB)
- F — Lead Free Code
- 100 — Inductance (100=10uH)
- K — Inductance Tolerance (K=±10%, M=±20%)

SPECIFICATION

Part Number	Inductance (uH)	Q min	Test Frequency L.Q	SRF (MHz)min	DCR (Ω)max	IDC (mA)max
PK2W0608F-100K	10	25	2.52MHz	16	0.09	1300
PK2W0608F-120K	12	25	2.52MHz	15	0.10	1100
PK2W0608F-150K	15	25	2.52MHz	13	0.11	1050
PK2W0608F-180K	18	20	2.52MHz	12	0.12	1000
PK2W0608F-220K	22	25	2.52MHz	11	0.12	960
PK2W0608F-270K	27	25	2.52MHz	10	0.17	920
PK2W0608F-330K	33	25	2.52MHz	8.8	0.19	880
PK2W0608F-390K	39	20	2.52MHz	8.4	0.22	860
PK2W0608F-470K	47	20	2.52MHz	8.2	0.23	830
PK2W0608F-560K	56	20	2.52MHz	7.9	0.29	810
PK2W0608F-680K	68	20	2.52MHz	7.0	0.37	750
PK2W0608F-820K	82	20	2.52MHz	6.5	0.39	740
PK2W0608F-101K	100	30	796KHz	5.7	0.44	710
PK2W0608F-121K	120	30	796KHz	5.2	0.64	680
PK2W0608F-151K	150	35	796KHz	4.7	0.73	600
PK2W0608F-181K	180	35	796KHz	4.2	0.82	540
PK2W0608F-221K	220	35	796KHz	3.7	0.92	450
PK2W0608F-271K	270	30	796KHz	3.5	1.3	420
PK2W0608F-331K	330	40	796KHz	3.2	1.5	400
PK2W0608F-391K	390	25	796KHz	2.9	1.8	370
PK2W0608F-471K	470	35	796KHz	2.4	2.3	340
PK2W0608F-561K	560	35	796KHz	2.2	3.0	280
PK2W0608F-681K	680	45	796KHz	2.0	3.25	250
PK2W0608F-821K	820	40	796KHz	1.6	4.16	230
PK2W0608F-102K	1000	80	252KHz	1.5	4.55	210
PK2W0608F-122K	1200	80	252KHz	1.4	5.20	200
PK2W0608F-152K	1500	75	252KHz	1.3	7.54	180
PK2W0608F-182K	1800	80	252KHz	1.2	7.54	160
PK2W0608F-222K	2200	80	252KHz	1.1	8.32	150
PK2W0608F-272K	2700	80	252KHz	1.0	9.62	130
PK2W0608F-332K	3300	80	252KHz	0.85	10.92	130

Part Number	Inductance (uH)	Q min	Test Frequency L.Q	SRF (MHz)min	DCR (Ω)max	IDC (mA)max
PK2W0608F-392K	3900	80	252KHz	0.78	16.12	100
PK2W0608F-472K	4700	80	252KHz	0.68	17.81	85
PK2W0608F-562K	5600	80	252KHz	0.62	20.0	70
PK2W0608F-682K	6800	80	252KHz	0.61	27.3	65
PK2W0608F-822K	8200	80	252KHz	0.6	31.2	60
PK2W0608F-103K	10000	80	79.6KHz	0.48	39.0	58
PK2W0608F-123K	12000	80	79.6KHz	0.44	42.9	56
PK2W0608F-153K	15000	70	79.6KHz	0.35	65.0	53
PK2W0608F-183K	18000	75	79.6KHz	0.30	72.8	50
PK2W0608F-223K	22000	80	79.6KHz	0.28	82.55	46
PK2W0608F-273K	27000	80	79.6KHz	0.25	95.42	42
PK2W0608F-333K	33000	70	79.6KHz	0.23	135.2	38
PK2W0608F-393K	39000	70	79.6KHz	0.20	154.7	37
PK2W0608F-473K	47000	70	79.6KHz	0.16	172.9	35

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.