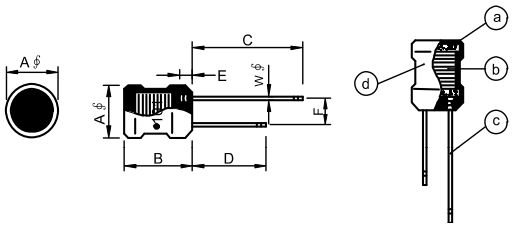
FEATURES

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:0406

A	B	C	D	E	F	W
4.5±0.5	7.0±1.0	15 min.	10 min.	2.5max.	2.0±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 0406 F — 1R0 M

- PK2W — Series Name
- 0406 — Dimension (AxB)
- F — Lead Free Code
- M — Inductance Tolerance (K=±10%, M=±20%)
- 1R0 — Inductance (1R0=1.0uH)

SPECIFICATION

Part Number	Inductance (uH)	Q min	Test Frequency L.Q	SRF (MHz)min	DCR (Ω)max	IDC (mA)max
PK2W0406F-1R0M	1.0	84	7.96MHz	200	0.10	1400
PK2W0406F-1R2M	1.2	70	7.96MHz	170	0.12	1200
PK2W0406F-1R5M	1.5	80	7.96MHz	140	0.15	1200
PK2W0406F-1R8M	1.8	90	7.96MHz	130	0.17	1100
PK2W0406F-2R2M	2.2	98	7.96MHz	125	0.20	1100
PK2W0406F-2R7M	2.7	94	7.96MHz	113	0.20	1300
PK2W0406F-3R3M	3.3	93	7.96MHz	92	0.22	1300
PK2W0406F-3R9M	3.9	86	7.96MHz	77	0.24	1300
PK2W0406F-4R7M	4.7	84	7.96MHz	58	0.26	800
PK2W0406F-5R6M	5.6	84	7.96MHz	42	0.28	800
PK2W0406F-6R8M	6.8	82	7.96MHz	35	0.30	800
PK2W0406F-8R2M	8.2	77	7.96MHz	32	0.35	800
PK2W0406F-100K	10	70	2.52MHz	27	0.46	700
PK2W0406F-120K	12	80	2.52MHz	20	0.48	600
PK2W0406F-150K	15	77	2.52MHz	18	0.55	600
PK2W0406F-180K	18	87	2.52MHz	16	0.65	500
PK2W0406F-220K	22	84	2.52MHz	14	0.72	500
PK2W0406F-270K	27	77	2.52MHz	13	0.78	400
PK2W0406F-330K	33	74	2.52MHz	12	0.87	400
PK2W0406F-390K	39	70	2.52MHz	11	0.90	400
PK2W0406F-470K	47	65	2.52MHz	10	0.98	400
PK2W0406F-560K	56	58	2.52MHz	9.5	1.50	320
PK2W0406F-680K	68	55	2.52MHz	9.0	1.90	300
PK2W0406F-820K	82	53	2.52MHz	8.6	2.50	300
PK2W0406F-101K	100	56	796KHz	7.0	3.00	200
PK2W0406F-121K	120	70	796KHz	6.3	3.80	200
PK2W0406F-151K	150	63	796KHz	5.7	4.50	200
PK2W0406F-181K	180	62	796KHz	5.3	5.00	200
PK2W0406F-221K	220	66	796KHz	5.0	5.80	200
PK2W0406F-271K	270	66	796KHz	4.5	6.50	150
PK2W0406F-331K	330	60	796KHz	4.0	7.00	150

Part Number	Inductance (uH)	Q min	Test Frequency L.Q	SRF (MHz)min	DCR (Ω)max	IDC (mA)max
PK2W0406F-391K	390	56	796KHz	3.8	7.70	150
PK2W0406F-471K	470	51	796KHz	3.5	8.00	120
PK2W0406F-561K	560	59	796KHz	3.2	8.50	120
PK2W0406F-681K	680	56	796KHz	3.0	9.50	120
PK2W0406F-821K	820	61	796KHz	2.8	15	100
PK2W0406F-102K	1000	77	252KHz	2.5	17	100
PK2W0406F-122K	1200	71	252KHz	2.3	20	80
PK2W0406F-152K	1500	76	252KHz	2.1	22	80
PK2W0406F-182K	1800	77	252KHz	1.8	25	70
PK2W0406F-222K	2200	81	252KHz	1.6	26	60
PK2W0406F-272K	2700	57	252KHz	1.36	46	43
PK2W0406F-332K	3300	60	252KHz	1.27	50	30
PK2W0406F-392K	3900	56	252KHz	1.20	54	30
PK2W0406F-472K	4700	65	252KHz	1.06	60	30
PK2W0406F-562K	5600	66	252KHz	1.02	65	30
PK2W0406F-682K	6800	66	252KHz	1.02	72	30
PK2W0406F-822K	8200	70	252KHz	0.93	80	20
PK2W0406F-103K	10000	35	79.6KHz	0.89	95	10

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.