



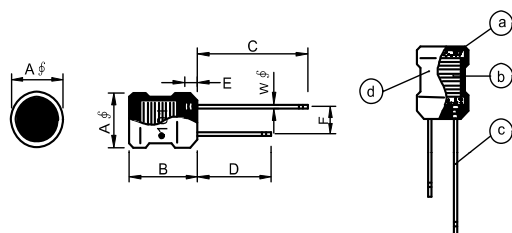
FEATURES

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



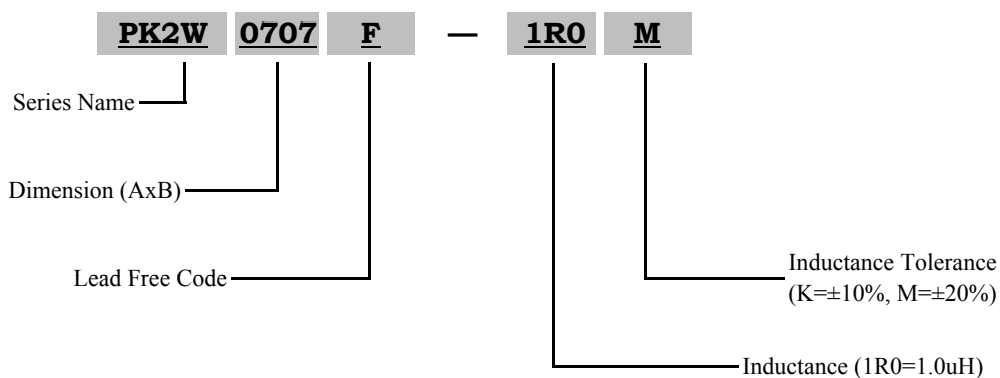
Chip Size:0707

A	B	C	D	E	F	W
6.7±0.5	9.0±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



SPECIFICATION

Part Number	Inductance (uH)	Q min	Test Frequency L.Q	SRF (MHz)min	DCR (Ω)max	IDC (mA)max
PK2W0707F-1R0M	1.0	90	7.96MHz	100	0.014	5980
PK2W0707F-1R5M	1.5	90	7.96MHz	80	0.017	4850
PK2W0707F-2R2M	2.2	90	7.96MHz	40	0.017	3560
PK2W0707F-3R3M	3.3	90	7.96MHz	40	0.021	2970
PK2W0707F-4R7M	4.7	90	7.96MHz	36	0.030	2340
PK2W0707F-6R8M	6.8	90	7.96MHz	30	0.054	1980
PK2W0707F-100K	10	85	2.52MHz	15	0.084	1980
PK2W0707F-120K	12	85	2.52MHz	15	0.090	1880
PK2W0707F-150K	15	65	2.52MHz	15	0.11	1650
PK2W0707F-180K	18	65	2.52MHz	15	0.12	1550
PK2W0707F-220K	22	65	2.52MHz	11	0.13	1413
PK2W0707F-270K	27	50	2.52MHz	11	0.14	1278
PK2W0707F-330K	33	50	2.52MHz	11	0.15	1161
PK2W0707F-390K	39	50	2.52MHz	11	0.16	1062
PK2W0707F-470K	47	50	2.52MHz	7.0	0.22	972
PK2W0707F-560K	56	50	2.52MHz	7.0	0.25	891
PK2W0707F-680K	68	40	2.52MHz	7.0	0.31	810
PK2W0707F-820K	82	40	2.52MHz	4.0	0.34	729
PK2W0707F-101K	100	40	796KHz	4.0	0.43	675
PK2W0707F-121K	120	40	796KHz	4.0	0.56	630
PK2W0707F-151K	150	60	796KHz	4.0	0.94	531
PK2W0707F-181K	180	60	796KHz	4.0	1.02	504
PK2W0707F-221K	220	60	796KHz	3.0	1.14	477
PK2W0707F-271K	270	60	796KHz	3.0	1.29	432
PK2W0707F-331K	330	70	796KHz	2.0	2.04	387
PK2W0707F-391K	390	70	796KHz	2.0	2.24	360
PK2W0707F-471K	470	70	796KHz	2.0	2.51	333
PK2W0707F-561K	560	55	796KHz	2.0	2.83	306
PK2W0707F-681K	680	55	796KHz	2.0	3.08	279
PK2W0707F-821K	820	55	796KHz	1.5	3.41	261
PK2W0707F-102K	1000	75	252KHz	1.5	3.90	189

Part Number	Inductance (uH)	Q min	Test Frequency L.Q	SRF (MHz)min	DCR (Ω)max	IDC (mA)max
PK2W0707F-122K	1200	75	252KHz	1.5	4.42	180
PK2W0707F-152K	1500	75	252KHz	1.0	5.11	162
PK2W0707F-182K	1800	75	252KHz	1.0	5.81	144
PK2W0707F-222K	2200	75	252KHz	1.0	8.38	135
PK2W0707F-272K	2700	75	252KHz	1.0	9.59	126
PK2W0707F-332K	3300	75	252KHz	0.8	11.04	117
PK2W0707F-392K	3900	75	252KHz	0.8	12.5	108
PK2W0707F-472K	4700	75	252KHz	0.8	14.3	99
PK2W0707F-562K	5600	70	252KHz	0.5	16.0	90
PK2W0707F-682K	6800	70	252KHz	0.5	20.9	81
PK2W0707F-822K	8200	70	252KHz	0.5	29.2	72
PK2W0707F-103K	10000	70	79.6KHz	0.5	33.4	63
PK2W0707F-123K	12000	70	79.6KHz	0.5	43.1	54
PK2W0707F-153K	15000	70	79.6KHz	0.3	50.5	54
PK2W0707F-183K	18000	70	79.6KHz	0.3	69.1	45
PK2W0707F-223K	22000	70	79.6KHz	0.3	80.6	36
PK2W0707F-273K	27000	70	79.6KHz	0.3	94.2	27
PK2W0707F-333K	33000	70	79.6KHz	0.3	139.0	18
PK2W0707F-393K	39000	70	79.6KHz	0.3	156.6	18
PK2W0707F-473K	47000	70	79.6KHz	0.3	176.6	18

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.

All the data listed in this catalogue are for reference only, COILS-TECH reserves the right to alter. Specifications are subject to change without notice.