

Type PK

1 μ H ~ 150milliH

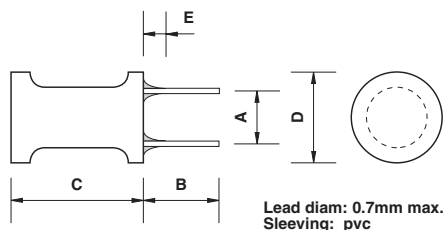
- # Ferrite core
- # High Q
- # High S.R.F.
- # Radial mounting
- # Small size

The type PK radial inductors provide compact high value inductance. The use of high performance ferrite material results in high Q components from 1 μ H ~ 150milliH. Unique lead to winding construction method provides excellent mechanical strength and the product is epoxy coated for maximum protection against humidity and may additionally be sleeved to customer order.

Electrical specification

Case style	PK radial
Range	1 μ H ~ 150milliH
Marking	Heat shrink sleeve as required or to customer order
Temperature range	(-20 +100) $^{\circ}$ C, based on max. ambient temp. rating at +80 $^{\circ}$ C and max. temp. rise of +20 $^{\circ}$ C during operation
Voltage rating	250V r.m.s. max.
Current rating	Based on max. permissible temp. rise during operation
Lead tensile strength	0.5Kg min.
Lead bending strength	0.5Kg min.
Moisture resistance	μ H \pm 5% max., Q \pm 10% max., relative humidity 90% ~ 95%, +40 $^{\circ}$ C, 24 hours

Dimensions(mm)



	Pitch A	Leads B	Length C	Diam. D	Fillet E
PK 0406	2.0 \pm 0.5	15.0	8.0	5.0	2.0
PK 0608	2.5 \pm 0.5	15.0	10.0	7.0	2.0
PK 0810	5.0 \pm 1.0	15.0	12.5	9.0	2.0
PK 1012	6.0 \pm 1.0	15.0	14.0	13.0	2.0

Standard values - PK 0406

TFC Part No.	μ H \pm 20%	Q min.	Test Freq. MHz	S.R.F. min. MHz	Ω d.c. max.	I d.c. max. mA (+ $^{\circ}$ C)
PK 0406S - 1R0M	1.0	130	25.2	120	0.035	2000
PK 0406S - 1R2M	1.2	100	7.96	120	0.058	1950
PK 0406S - 1R5M	1.5	100	7.96	120	0.075	1900
PK 0406S - 1R8M	1.8	100	7.96	120	0.110	1800
PK 0406S - 2R2M	2.2	100	7.96	100	0.120	1750
PK 0406S - 2R7M	2.7	100	7.96	80	0.125	1680
PK 0406S - 3R3M	3.3	100	7.96	75	0.130	1500
PK 0406S - 3R9M	3.9	100	7.96	70	0.135	1450
PK 0406S - 4R7M	4.7	100	7.96	50	0.140	1320
PK 0406S - 5R6M	5.6	100	7.96	45	0.145	1230
PK 0406S - 6R8M	6.8	100	7.96	30	0.15	1150
PK 0406S - 8R2M	8.2	100	7.96	22	0.16	1100
PK 0406S - 100M	10	80	7.96	20	0.23	1000
PK 0406S - 120K	12	80	2.52	17	0.24	970
PK 0406S - 150K	15	80	2.52	16	0.25	920
PK 0406S - 180K	18	80	2.52	12	0.33	860
PK 0406S - 220K	22	80	2.52	10	0.45	800
PK 0406S - 270K	27	80	2.52	9.5	0.50	710
PK 0406S - 330K	33	80	2.52	8.7	0.70	660
PK 0406S - 390K	39	70	2.52	8.2	0.74	600
PK 0406S - 470K	47	70	2.52	7.8	0.76	550
PK 0406S - 560K	56	50	2.52	7.6	0.80	500
PK 0406S - 680K	68	50	2.52	6.8	0.90	470
PK 0406S - 820K	82	50	2.52	6.0	0.95	430
PK 0406S - 101K	100	45	0.796	6.0	1.0	400
PK 0406S - 121K	120	45	0.796	4.2	1.1	370
PK 0406S - 151K	150	65	0.796	3.6	1.3	350
PK 0406S - 181K	180	65	0.796	2.8	1.5	320
PK 0406S - 221K	220	65	0.796	2.4	1.8	300
PK 0406S - 271K	270	50	0.796	2.2	1.9	275
PK 0406S - 331K	330	50	0.796	2.0	2.2	250
PK 0406S - 391K	390	50	0.796	1.7	2.7	220
PK 0406S - 471K	470	50	0.796	1.50	3.6	200
PK 0406S - 561K	560	50	0.796	1.3	4.2	190
PK 0406S - 681K	680	50	0.796	1.10	4.6	170
PK 0406S - 821K	820	50	0.796	1.00	5.7	155
PK 0406S - 102K	1000	90	0.252	0.90	6.7	150
PK 0406S - 122K	1200	90	0.252	0.8	8.2	140
PK 0406S - 152K	1500	80	0.252	0.8	13	120
PK 0406S - 182K	1800	80	0.252	0.8	15	110
PK 0406S - 222K	2200	80	0.252	0.8	17	100
PK 0406S - 272K	2700	80	0.252	0.8	19	90
PK 0406S - 332K	3300	70	0.252	0.7	26	83
PK 0406S - 392K	3900	70	0.252	0.65	30	76
PK 0406S - 472K	4700	65	0.252		45	70
PK 0406S - 562K	5600	65	0.252		48	62
PK 0406S - 682K	6800	65	0.252		56	56
PK 0406S - 822K	8200	65	0.252		62	52
PK 0406S - 103K	10000	45	0.079		72	47
PK 0406S - 123K	12000	45	0.079		80	40
PK 0406S - 153K	15000	45	0.079		120	35
PK 0406S - 183K	18000	45	0.079		135	30
PK 0406S - 223K	22000	45	0.079		160	24
PK 0406S - 253K	25000	45	0.079		180	20

PK 0608 ±10%

TFC Part No.	milliH ±10% 1kHz	Q min.	Q test freq. MHz	S.R.F. min. MHz	Ω d.c. max.	I d.c. max. mA (+°C)
PK 0608S - 122K	1.2	60	0.252	12	3.1	100
PK 0608S - 152K	1.5	60	0.252	12	3.5	100
PK 0608S - 182K	1.8	60	0.252	12	4.4	100
PK 0608S - 222K	2.2	60	0.252	12	5.3	75
PK 0608S - 272K	2.7	60	0.252	12	6.1	60
PK 0608S - 332K	3.3	60	0.252	12	8.8	60
PK 0608S - 392K	3.9	60	0.252	14	10	60
PK 0608S - 472K	4.7	60	0.252	14	14	50
PK 0608S - 562K	5.6	60	0.252	14	15	50
PK 0608S - 682K	6.8	60	0.252	14	17	50
PK 0608S - 822K	8.2	60	0.252	14	22	40
PK 0608S - 103K	10	60	0.252	16	25	40
PK 0608S - 123K	12	60	0.252	16	35	30
PK 0608S - 153K	15	60	0.252	16	40	30
PK 0608S - 183K	18	60	0.252	16	45	20
PK 0608S - 223K	22	60	0.252	20	64	20
PK 0608S - 303K	30	40	0.796	20	76	20
PK 0608S - 333K	33	40	0.796	20	106	15
PK 0608S - 393K	39	40	0.796	20	119	15
PK 0608S - 473K	47	40	0.796	20	134	15
PK 0608S - 503K	50	40	0.796	20	137	15
PK 0608S - 563K	56	40	0.796	20	153	10
PK 0608S - 683K	68	40	0.796	20	171	10
PK 0608S - 823K	82	40	0.796	20	280	10
PK 0608S - 104K	100	40	0.796	20	320	10
PK 0608S - 124K	120	40	0.796	20	359	10
PK 0608S - 154K	150	40	0.796	20	413	10

PK 0810 ±10%

TFC Part No.	μH ±10% 1kHz	Q min.	Q test freq. MHz	S.R.F. min. MHz	Ω d.c. max.	I d.c. max. mA (+°C)
PK 0810S - 102K	1000	65	0.25	1.40	6	450
PK 0810S - 122K	1200	140	0.25	1.20	6	450
PK 0810S - 152K	1500	130	0.25	1.10	7	400
PK 0810S - 162K	1600	150	0.25	1.10	10	400
PK 0810S - 182K	1800	150	0.25	1.10	10	400
PK 0810S - 222K	2200	150	0.25	1.00	12	360
PK 0810S - 272K	2700	140	0.25	0.90	14	360
PK 0810S - 302K	3000	140	0.25	0.90	15	280
PK 0810S - 332K	3300	140	0.25	0.86	16	280
PK 0810S - 392K	3900	130	0.25	0.81	18	280
PK 0810S - 472K	4700	120	0.25	0.77	20	260
PK 0810S - 562K	5600	120	0.25	0.72	22	260
PK 0810S - 682K	6800	110	0.25	0.54	29	260
PK 0810S - 752K	7500	110	0.25	0.52	30	240
PK 0810S - 822K	8200	100	0.25	0.50	30	240

PK 1012 ±10%

Test frequency, L = 1kHz, Q = 79kHz

PK 1012S - 103K	10000	140		0.35	12	280
PK 1012S - 123K	12000	140		0.31	13	280
PK 1012S - 153K	15000	140		0.28	18	280
PK 1012S - 183K	18000	130		0.26	25	280
PK 1012S - 223K	22000	130		0.22	30	240
PK 1012S - 273K	27000	130		0.20	35	240
PK 1012S - 333K	33000	110		0.19	40	200
PK 1012S - 393K	39000	110		0.17	50	140
PK 1012S - 473K	47000	110		0.15	50	140
PK 1012S - 563K	56000	100		0.13	65	140
PK 1012S - 683K	68000	80		0.12	70	120
PK 1012S - 823K	82000	65		0.10	85	120
PK 1012S - 104K	100000	60		0.10	100	120

Ordering information

The type PK inductors may be ordered using the standard part numbers shown in the following lists which are made up as follows:

TFC Part No ----- PK 10 12 S 333 K

PK ----- Type No.

10 ----- Internal core diameter(mm)

12 ----- Internal core length(mm)

S ----- Sleeving if required

333 ----- Inductance value code

K ----- Tolerance:

----- J = 5%, K = 10%, M = 20%