

P/PP SERIES

Coils and Chokes for general use

High inductance chokes

These chokes are wound in an open magnetic circuit ferrite drum core with pins. They have a very compact size and they are available in a wide range of inductance and current rating, which provides a high degree of humidity resistance.

There are 2 available types of finish:

- P in open construction.
- PP tube isolated.



Applications

As chokes in resonant circuits, filter circuits, etc.

Features

- Values range: from 33 μH to 150 mH.
- Working voltage: 250 Vac.
- Working Temperature: from -20°C to $+80^{\circ}\text{C}$.
- High "Q".

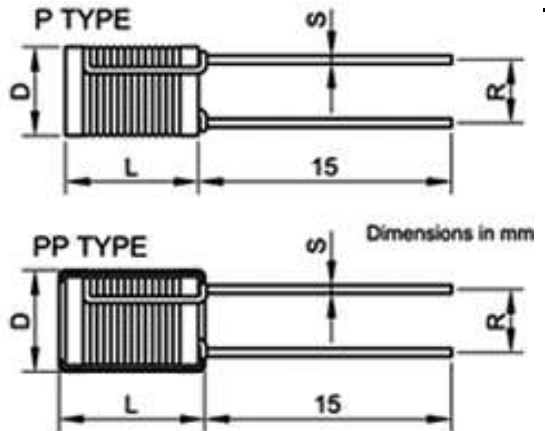
Coding

$82 \mu\text{H} \pm 10\%$ P6D-820K

P6D = Type

820K = Inductance

K = Tolerance



Dimensions in mm.

CODE	L max	R	D max	S=0,05
P6D/PP6D	11,0	2,5 \pm 0,5	7,0	0,65
P8D/PP8D	13,0	5,0 \pm 1,0	9,0	0,65
P10D/PP10D	13,0	5,0 \pm 1,0	12,0	0,80

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Inductive Components for General Applications

P6D/PP6D

Code	L μH	Q MIN.	Test frequency (MHz)	R DC MAX. (Ω)	Rated DC Current (mA) MAX.
P6D/PP6D-3R3K	3,3	20	7,96	0,016	3500
P6D/PP6D-4R7K	4,7	20	7,96	0,020	3000
P6D/PP6D-6R8K	6,8	20	7,96	0,022	2500
P6D/PP6D-100K	10	30	2,52	0,039	2000
P6D/PP6D-150K	15	30	2,52	0,045	1700
P6D/PP6D-220K	22	30	2,52	0,062	1400
P6D/PP6D-330K	33	30	2,52	0,10	1100
P6D/PP6D-470K	47	30	2,52	0,15	950
P6D/PP6D-680K	68	30	2,52	0,22	800
P6D/PP6D-101K	100	20	796	0,35	650
P6D/PP6D-151K	150	20	796	0,43	540
P6D/PP6D-221K	220	20	796	0,90	440
P6D/PP6D-331K	330	20	796	1,50	360
P6D/PP6D-471K	470	20	796	1,80	300
P6D/PP6D-681K	680	20	796	2,50	250
P6D/PP6D-102K	1000	100	252	3,20	200
P6D/PP6D-122K	1200	70	252	3,5	180
P6D/PP6D-152K	1500	70	252	4,5	170
P6D/PP6D-182K	1800	70	252	5,0	155
P6D/PP6D-222K	2200	70	252	6,0	140
P6D/PP6D-272K	2700	70	252	7,2	125
P6D/PP6D-332K	3300	70	252	10,5	115
P6D/PP6D-392K	3900	70	252	11,7	105
P6D/PP6D-472K	4700	70	252	13,6	95
P6D/PP6D-562K	5600	70	252	16,6	85
P6D/PP6D-682K	6800	70	252	19,6	80
P6D/PP6D-822K	8200	70	252	25,2	70
P6D/PP6D-103K	10000	70	79,6	29,5	65
P6D/PP6D-123K	12000	70	79,6	33,8	60
P6D/PP6D-153K	15000	70	79,6	45,4	55
P6D/PP6D-183K	18000	70	79,6	50,4	50
P6D/PP6D-223K	22000	70	79,6	60,0	45
P6D/PP6D-303K	30000	70	79,6	91,5	40
P6D/PP6D-333K	33000	70	79,6	98,5	35
P6D/PP6D-393K	39000	70	79,6	140	32
P6D/PP6D-473K	47000	70	79,6	160	30
P6D/PP6D-503K	50000	70	79,6	170	29
P6D/PP6D-563K	56000	70	79,6	181	28
P6D/PP6D-683K	68000	50	79,6	282	25
P6D/PP6D-823K	82000	50	79,6	312	23
P6D/PP6D-104K	100000	30	25,2	380	20
P6D/PP6D-124K	120000	30	25,2	430	18
P6D/PP6D-154K	150000	30	25,2	520	16

K= ±10%

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P8D/PP8D

Code	L μH	Q MIN.	Test freq. (MHz)	SRF (MHz) Typ	R DC MAX. (Ω)	Rated DC Current (mA) MAX.
P8D/PP8D-3R3K	3,3	30	7,96	65	0,012	5000
P8D/PP8D-3R9K	3,9	30	7,96	55	0,014	4500
P8D/PP8D-4R7K	4,7	30	7,96	45	0,016	4300
P8D/PP8D-5R6K	5,6	30	7,96	38	0,020	3900
P8D/PP8D-6R8K	6,8	30	7,96	27	0,022	3700
P8D/PP8D-8R2K	8,2	30	7,96	21	0,024	3500
P8D/PP8D-100K	10	50	2,52	17	0,025	3200
P8D/PP8D-120K	12	50	2,52	15	0,027	3000
P8D/PP8D-150K	15	50	2,52	13	0,033	28000
P8D/PP8D-180K	18	50	2,52	12	0,039	2600
P8D/PP8D-220K	22	50	2,52	11	0,047	2400
P8D/PP8D-270K	27	50	2,52	10	0,052	2100
P8D/PP8D-330K	33	50	2,52	8,5	0,075	1900
P8D/PP8D-390K	39	40	2,52	7,7	0,082	1700
P8D/PP8D-470K	47	40	2,52	6,7	0,10	1500
P8D/PP8D-560K	56	40	2,52	6,4	0,15	1300
P8D/PP8D-680K	68	30	2,52	5,8	0,18	1200
P8D/PP8D-820K	82	30	2,52	5,2	0,20	1100
P8D/PP8D-101K	100	30	796	4,4	0,20	900
P8D/PP8D-121K	120	30	796	4,2	0,22	800
P8D/PP8D-151K	150	30	796	3,7	0,24	720
P8D/PP8D-181K	180	30	796	3,5	0,28	650
P8D/PP8D-221K	220	20	796	3,3	0,35	600
P8D/PP8D-271K	270	20	796	2,9	0,40	550
P8D/PP8D-331K	330	20	796	2,6	0,47	500
P8D/PP8D-391K	390	20	796	2,4	0,68	460
P8D/PP8D-471K	470	20	796	2,2	0,80	420
P8D/PP8D-561K	560	20	796	2,0	1,0	380
P8D/PP8D-681K	680	20	796	1,8	1,2	350
P8D/PP8D-821K	820	20	796	1,7	1,5	310
P8D/PP8D-102K	1000	40	252	1,5	1,8	280
P8D/PP8D-122K	1200	40	252	1,4	2,0	250
P8D/PP8D-152K	1500	40	252	1,3	2,4	230
P8D/PP8D-182K	1800	40	252	1,1	2,8	210
P8D/PP8D-222K	2200	40	252	1	3,3	190
P8D/PP8D-272K	2700	40	252	0,88	5,0	170
P8D/PP8D-332K	3300	40	252	0,78	5,6	150
P8D/PP8D-392K	3900	40	252	0,72	6,2	140
P8D/PP8D-472K	4700	40	252	0,65	7,0	130
P8D/PP8D-562K	5600	40	252	0,58	9,1	120
P8D/PP8D-682K	6800	40	252	0,55	10	110
P8D/PP8D-822K	8200	20	252	0,5	15	100
P8D/PP8D-103K	10000	20	79,6	0,42	24	90
P8D/PP8D-473K	47000	60	79,6	0,2	80	40
P8D/PP8D-104K	100000	20	79,6	0,14		

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P10D/PP10D

Code	L μH	Q MIN.	Test freq. (MHz)	SRF (MHz) Typ	R DC MAX. (Ω)	Rated DC Current (A) MAX.	
						Isat	1ms
P10D/PP10D-3R3M	3,3	10	7,96	36	0,010	8,8	5,9
P10D/PP10D-4R7M	4,7	10	7,96	28	0,015	7,2	4,8
P10D/PP10D-6R8M	6,8	10	7,96	18	0,016	6,1	4,6
P10D/PP10D-100M	10	20	2,52	16	0,025	5,0	3,7
P10D/PP10D-150K	15	20	2,52	12	0,029	4,2	3,4
P10D/PP10D-220K	22	20	2,52	9,5	0,040	3,4	2,9
P10D/PP10D-330K	33	30	2,52	7,0	0,062	2,8	2,3
P10D/PP10D-470K	47	30	2,52	5,8	0,075	2,3	2,1
P10D/PP10D-680K	68	20	2,52	4,7	0,13	1,9	1,6
P10D/PP10D-101K	100	20	796	3,8	0,16	1,6	1,4
P10D/PP10D-151K	150	20	796	3,1	0,26	1,3	1,1
P10D/PP10D-221K	220	20	796	2,5	0,33	1,1	1,0
P10D/PP10D-331K	330	20	796	2,0	0,52	0,88	0,82
P10D/PP10D-471K	470	10	796	1,6	0,66	0,75	0,72
P10D/PP10D-681K	680	10	796	1,3	1,1	0,61	0,56
P10D/PP10D-102K	1000	20	252	1,1	1,4	0,51	0,50
P10D/PP10D-152K	1500	30	252	0,82	2,4	0,43	0,38
P10D/PP10D-222K	2200	20	252	0,76	3,2	0,35	0,33
P10D/PP10D-332K	3300	30	252	0,64	4,9	0,28	0,26
P10D/PP10D-472K	4700	30	252	0,54	7,6	0,24	0,21
P10D/PP10D-682K	6800	30	252	0,45	9,8	0,20	0,18
P10D/PP10D-103K	10000	30	79,6	0,38	18	0,17	0,14

Rated DC Current: It is either the inductance is 10% lower than its initial value in DC saturation or temperature raise becomes $\Delta T=20^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$), whichever is lower.