



PVW SERIES

The PVW is a tunable chip inductor which has gold plated wraparound contacts so that it may be soldered in place and the connections made simultaneously. Upper terminations are also suitable for wire bonding. The core is slide tuned and may be fixed in place with epoxy without affected the inductance. The spacing between contacts is relatively large so that shorting between the contacts during soldering does not normally occur. The PVW series is listed in the Qualified Products List (QPL) M83446 under the identifier M83446/18.

Piconics Part Number	Lmax uh	Lmin uh	Q min at Lmax	Test Freq MHz	SRF Min MHz	DCR Max Ohms	Idc Max ma
PVW160-8I	.016	.012	50	200	1200	0.04	250
PVW250-8I	.025	.020	50	200	1050	0.1	250
PVW510-8I	.051	.036	40	100	740	0.19	250
PVW760-8I	.076	.054	40	100	600	0.3	250
PVW101-8I	.10	.071	30	25	530	.48	250
PVW131-8I	.13	.093	30	25	525	.51	200
PVW151-8I	.15	.11	30	25	500	.52	200
PVW181-8I	.18	.13	30	25	470	.61	180
PVW221-8I	.22	.16	30	25	400	.67	180
PVW271-8I	.27	.19	30	25	350	.75	180
PVW331-8I	.33	.24	30	25	320	.90	140
PVW371-8I	.37	.27	30	25	275	.93	140
PVW471-8I	.47	.34	30	25	255	1.1	100
PVW561-8I	.56	.40	30	25	230	1.2	100
PVW681-8I	.68	.49	30	25	190	1.3	100
PVW761-8I	.76	.57	30	25	170	1.3	100
PVW821-8I	.82	.59	30	25	150	1.4	100
PVW951-8I	.95	.68	30	25	145	1.4	100
PVW102-6I	1.0	.67	25	7.9	140	1.5	100
PVW152-6I	1.5	1.0	25	7.9	110	1.5	100
PVW222-6I	2.2	1.5	25	7.9	100	2.1	80
PVW272-6I	2.7	1.8	25	7.9	89	2.4	75
PVW332-6I	3.3	2.2	25	7.9	77	3.3	65
PVW472-6I	4.7	3.1	25	7.9	49	3.3	60
PVW582-6I	5.8	3.9	25	7.9	38	4.2	58
PVW682-6I	6.8	4.5	25	7.9	36	4.5	55
PVW822-6I	8.2	5.5	25	7.9	21	4.5	55
PVW103-3F	10	6.0	25	2.5	20	4.5	55
PVW133-3F	13	6.5	25	2.5	19	4.5	53
PVW163-3F	16	8.0	25	2.5	16	5.1	50
PVW203-3F	20	10	25	2.5	14	5.2	43
PVW223-3F	22	11	25	2.5	12	6	43
PVW303-3F	30	15	25	2.5	11	6.7	40
PVW363-3F	36	18	25	2.5	10	7.5	40
PVW473-3F	47	24	25	2.5	6.5	8.5	39
PVW563-3F	56	28	25	2.5	6.3	10.5	35
PVW683-3F	68	34	25	2.5	6.2	12.0	30
PVW753-3F	75	38	25	2.5	5.9	13.5	30
PVW863-3F	86	43	25	2.5	5.6	15.0	28
PVW104-3F	100	50	20	2.5	5.3	18.0	27
PVW124-3F	120	60	20	.79	4.4	21.0	25
PVW154-3F	150	75	20	.79	4.0	27.0	22
PVW474-1F	470	235	20	.79	2.0	45.0	16
PVW684-1F	680	340	20	.79	2.1	52.0	15
PVW105-1F	1000	500	20	.79	1.1	112.0	11

❑ **FEATURES:**

- Wraparound Terminations
- Low Profile
- Slide Tunable
- High Packing Density

❑ **ABSOLUTE MAXIMUM RATINGS:**

- Operating temperature range: -55°C to + 125° C.
- Storage temperature range: -55°C to + 125° C.
- Dielectric withstanding voltage Method 301 of MIL-STD-202, test voltage 700rms.
- Barometric pressure Method 105, test condition C. Mil-STD-202, (70,000 feet), test voltage 200 volts rms.

❑ **PHYSICAL CHARACTERISTICS:**

- Termination: Alumina substrate base; gold plated over nickel; welded internal connection.
- Case: Conformal Coated Epoxy

Weight: 0.5 gram maximum.

