

COILTRONICS® Versa-Pac SMT Inductors and Transformers



Features:

- Six winding, surface mount devices that offer more than 500 usable inductor or transformer configurations
- High power density and low profile
- Low radiated noise and tightly coupled windings
- Power range from 1 Watt - 70 Watts
- Frequency range to over 1MHz
- 500 VAC Isolation
- Ferrite core material

Applications:

- Inductors: buck, boost, coupled, choke, filter, resonant, noise filtering, differential, forward, common mode
- Transformers: flyback, feed forward, push-pull, multipleoutput, inverter, step-up, step-down, gate drive, basdrive, wide band, pulse, control, impedance, isolation, bridging, ringer, converter, auto

NOTE: Base - The value for a single winding. There are 6 windings in each device.

Environmental Data:

- Storage temperature range: -55°C to 125°C
- Operating ambient temperature range: -40°C to +85°C
- Solder reflow temperature: +260°C max. for 10 seconds max.

Packaging:

- Supplied in tape and reel packaging, 600 (VP01), 300 (VP02), and 200 (VP03) per reel
- Supplied in bulk packaging (VP04 and VP05)

VP1 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base)(µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	10	50	100
704-VP1-0059-R	VP1-0059-R	A	3.8	±20%	1.37	0.85	0.145	21.8	2.48	0.096	60.7	7.82	5.21	4.74	4.31
704-VP1-0076-R	VP1-0076-R	A	4.9	±20%	1.06	0.85	0.145	21.8	1.92	0.096	60.7	7.82	5.21	4.74	4.31
704-VP1-0102-R	VP1-0102-R	A	6.5	±20%	0.80	0.85	0.145	21.8	1.45	0.096	60.7	7.82	5.21	4.74	4.31
704-VP1-0190-R	VP1-0190-R	A	12.2	±20%	0.43	0.85	0.145	21.8	0.77	0.096	60.7	7.82	5.21	4.74	4.31
704-VP1-1400-R	VP1-1400-R	A	89.6	±30%	0.06	0.85	0.145	21.8	0.11	0.096	60.7	7.82	5.21	4.74	4.31

VPH1 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base)(µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	25	50	100
704-VPH1-0059-R	VPH1-0059-R	A	8.5	±20%	0.92	0.55	0.344	32.9	2.48	0.212	60.7	7.82	5.21	4.74	4.31
704-VPH1-0076-R	VPH1-0076-R	A	10.9	±20%	0.72	0.55	0.344	32.9	1.92	0.212	60.7	7.82	5.21	4.74	4.31
704-VPH1-0102-R	VPH1-0102-R	A	14.7	±20%	0.53	0.55	0.344	32.9	1.45	0.212	60.7	7.82	5.21	4.74	4.31
704-VPH1-0190-R	VPH1-0190-R	A	27.4	±20%	0.29	0.55	0.344	32.9	0.77	0.212	60.7	7.82	5.21	4.74	4.31
704-VPH1-1400-R	VPH1-1400-R	A	201.6	±30%	0.04	0.55	0.344	32.9	0.11	0.212	60.7	7.82	5.21	4.74	4.31

VP2 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base)(µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	25	50	100
704-VP2-0066-R	VP2-0066-R	B	3.2	±20%	2.50	1.26	0.090	33.7	7.01	0.083	44.0	9.23	6.15	5.59	5.08
704-VP2-0083-R	VP2-0083-R	B	4.1	±20%	1.95	1.26	0.090	33.7	5.47	0.083	44.0	9.23	6.15	5.59	5.08
704-VP2-0116-R	VP2-0116-R	B	5.7	±20%	1.41	1.26	0.090	33.7	3.94	0.083	44.0	9.23	6.15	5.59	5.08
704-VP2-0216-R	VP2-0216-R	B	10.6	±20%	0.76	1.26	0.090	33.7	2.11	0.083	44.0	9.23	6.15	5.59	5.08
704-VP2-1600-R	VP2-1600-R	B	78.4	±30%	0.10	1.26	0.090	33.7	0.29	0.083	44.0	9.23	6.15	5.59	5.08

VPH2 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base)(µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	25	50	100
704-VPH2-0066-R	VPH2-0066-R	B	6.6	±20%	1.74	0.95	0.159	48.3	7.01	0.165	44.0	9.23	6.15	5.59	5.08
704-VPH2-0083-R	VPH2-0083-R	B	8.3	±20%	1.39	0.95	0.159	48.3	5.47	0.165	44.0	9.23	6.15	5.59	5.08
704-VPH2-0116-R	VPH2-0116-R	B	11.6	±20%	0.99	0.95	0.159	48.3	3.94	0.165	44.0	9.23	6.15	5.59	5.08
704-VPH2-0216-R	VPH2-0216-R	B	21.6	±20%	0.53	0.95	0.159	48.3	2.11	0.165	44.0	9.23	6.15	5.59	5.08
704-VPH2-1600-R	VPH2-1600-R	B	160	±30%	0.07	0.95	0.159	48.3	0.29	0.165	44.0	9.23	6.15	5.59	5.08

VP3 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base)(µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	10	25	100
704-VP3-0047-R	VP3-0047-R	C	3.8	±20%	1.73	1.47	0.061	27.7	4.00	0.058	43.4	9.83	6.55	5.95	5.41
704-VP3-0055-R	VP3-0055-R	C	4.5	±20%	1.46	1.47	0.061	27.7	3.38	0.058	43.4	9.83	6.55	5.95	5.41
704-VP3-0084-R	VP3-0084-R	C	6.8	±20%	0.97	1.47	0.061	27.7	2.23	0.058	43.4	9.83	6.55	5.95	5.41
704-VP3-0138-R	VP3-0138-R	C	11.2	±20%	0.59	1.47	0.061	27.7	1.36	0.058	43.4	9.83	6.55	5.95	5.41
704-VP3-0780-R	VP3-0780-R	C	63.2	±30%	0.10	1.47	0.061	27.7	0.24	0.058	43.4	9.83	6.55	5.95	5.41

VPH3 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base)(µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	25	50	100
704-VPH3-0047-R	VPH3-0047-R	C	7.94	±20%	1.19	0.97	0.14	39.8	4.00	0.125	43.4	9.83	6.55	5.95	5.41
704-VPH3-0055-R	VPH3-0055-R	C	9.3	±20%	1.02	0.97	0.14	39.8	3.38	0.125	43.4	9.83	6.55	5.95	5.41
704-VPH3-0084-R	VPH3-0084-R	C	14.2	±20%	0.67	0.97	0.14	39.8	2.23	0.125	43.4	9.83	6.55	5.95	5.41
704-VPH3-0138-R	VPH3-0138-R	C	23.3	±20%	0.41	0.97	0.14	39.8	1.36	0.125	43.4	9.83	6.55	5.95	5.41
704-VPH3-0780-R	VPH3-0780-R	C	132	±30%	0.07	0.97	0.14	39.8	0.24	0.125	43.4	9.83	6.55	5.95	5.41

VP4 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base)(µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	6	12	24
704-VP4-0047-R	VP4-0047-R	D	3.8	±20%	2.81	1.70	0.057	44.7	10.52	0.075	39.4	13.25	8.83	8.03	7.30
704-VP4-0060-R	VP4-0060-R	D	4.9	±20%	2.18	1.70	0.057	44.7	8.16	0.075	39.4	13.25	8.83	8.03	7.30
704-VP4-0075-R	VP4-0075-R	D	6.1	±20%	1.75	1.70	0.057	44.7	6.55	0.075	39.4	13.25	8.83	8.03	7.30
704-VP4-0140-R	VP4-0140-R	D	11.3	±20%	0.95	1.70	0.057	44.7	3.54	0.075	39.4	13.25	8.83	8.03	7.30
704-VP4-0860-R	VP4-0860-R	D	87	±30%	0.15	1.70	0.057	44.7	0.57	0.075	39.4	13.25	8.83	8.03	7.30

VPH4 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base)(µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	6	12	24
704-VPH4-0047-R	VPH4-0047-R	D	7.94	±20%	1.94	1.41	0.0828	64.6	10.52	0.156	39.4	17.70	11.80	10.73	9.75
704-VPH4-0060-R	VPH4-0060-R	D	10.1	±20%	1.52	1.41	0.0828	64.6	8.16	0.156	39.4	17.70	11.80	10.73	9.75
704-VPH4-0075-R	VPH4-0075-R	D	12.7	±20%	1.21	1.41	0.0828	64.6	6.55	0.156	39.4	17.70	11.80	10.73	9.75
704-VPH4-0140-R	VPH4-0140-R	D	23.7	±20%	0.65	1.41	0.0828	64.6	3.54	0.156	39.4	17.70	11.80	10.73	9.75
704-VPH4-0860-R	VPH4-0860-R	D	159.65	±30%	0.11	1.41	0.0828	64.6	0.57	0.156	39.4	17.70	11.80	10.73	9.75

VP5 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base)(µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	15	25	35
704-VP5-0053-R	VP5-0053-R	E	3.4	±20%	4.59	2.08	0.047	65.6	25.10	0.105	30.3	14.90	9.93	9.03	8.21
704-VP5-0067-R	VP5-0067-R	E	4.3	±20%	3.63	2.08	0.047	65.6	19.83	0.105	30.3	14.90	9.93	9.03	8.21
704-VP5-0083-R	VP5-0083-R	E	5.3	±20%	2.95	2.08	0.047	65.6	16.07	0.105	30.3	14.90	9.93	9.03	8.21
704-VP5-0155-R	VP5-0155-R	E	9.9	±20%	1.60	2.08	0.047	65.6	8.83	0.105	30.3	14.90	9.93	9.03	8.21
704-VP5-1200-R	VP5-1200-R	E	76.8	±30%	0.20	2.08	0.047	65.6	1.11	0.105	30.3	14.90	9.93	9.03	8.21

VPH5 SERIES

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Value (Base) (µH)	Tol.	Isat (Base) (A)	Irms (Base) (A)	DCR (Base) (A)	Volt (µSec) (Base)(µVs)	Epeak (Base) (µJ)	Leakage Inductance (Base)(µH)	Thermal Resistance (°C/Watt)	Price Each			
												1	15	25	35
704-VPH5-0053-R	VPH5-0053-R	E	7.63	±20%	3.07	1.70	0.0711	98.4	25.10	0.235	30.3	14.90	9.93	9.03	8.21
704-VPH5-0067-R	VPH5-0067-R	E	9.65	±20%	2.43	1.70									