

POV Series



POV series, an automatic assembly power inductor, is shielded with magnetic resin and suitable for the portable DC-DC converter application.

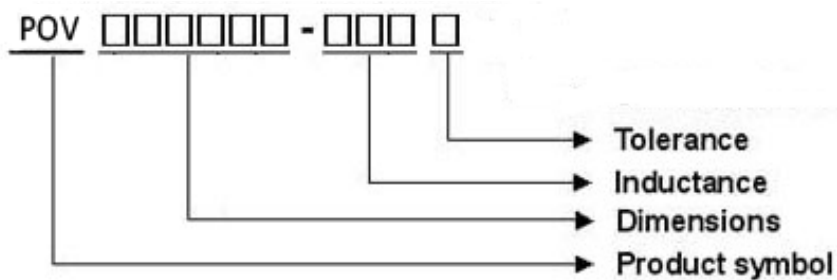
Features

- RoHS compliant
- Highly accurate dimensions can be mounted automatically.
- Terminals are highly resistant to pull forces.
- Highly reliable in environments of sudden temperature change and humidity.
- Superior EMI electrical with ultra low radiation comparing to conventional shielded power inductors.

Applications

- LCD TV, Monitor, Ap Router, STB, Smart Phone, Touch Panel, DSC, Game Console and other electronic devices.

Product Identification



Shapes and Dimensions

Figure 1

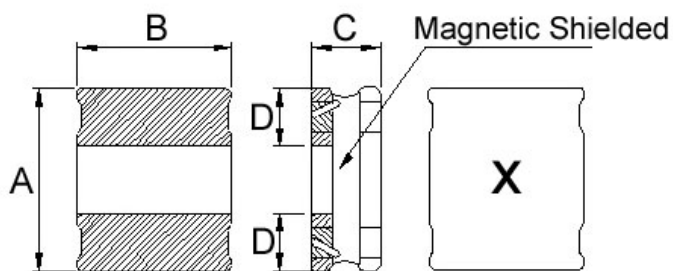
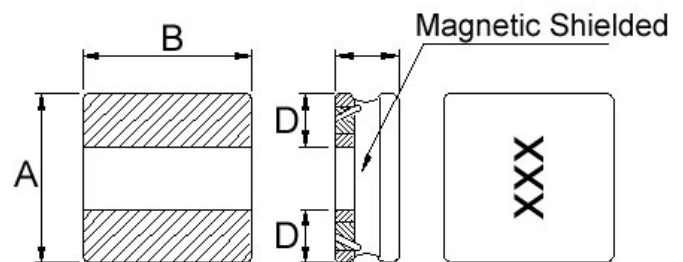


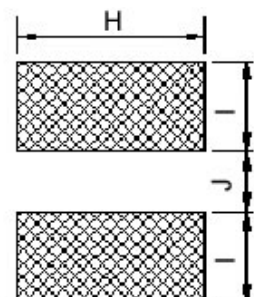
Figure 2



Dimensions in mm

TYPE	FIG	A	B	C Max	D	H	I	J
POV201610	1	2.0±0.2	1.6±0.2	1.02	0.6	1.8	0.80	0.8
POV252010	1	2.5±0.2	2.0±0.2	1.02	0.8	2.0	0.85	0.8
POV252012	1	2.5±0.2	2.0±0.2	1.20	0.8	2.0	0.85	0.8
POV252012L	1	2.5±0.2	2.0±0.2	1.20	0.8	2.0	0.85	0.8
POV303010	2	3.0±0.2	3.0±0.2	1.02	1.0	3.0	1.0	1.0
POV303012	2	3.0±0.2	3.0±0.2	1.20	1.0	3.0	1.0	1.0
POV303015	2	3.0±0.2	3.0±0.2	1.50	1.0	3.0	1.0	1.0

Recommended Pattern



Shapes and Dimensions

Figure 3

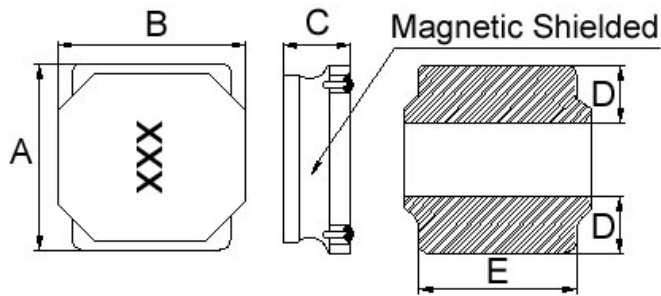
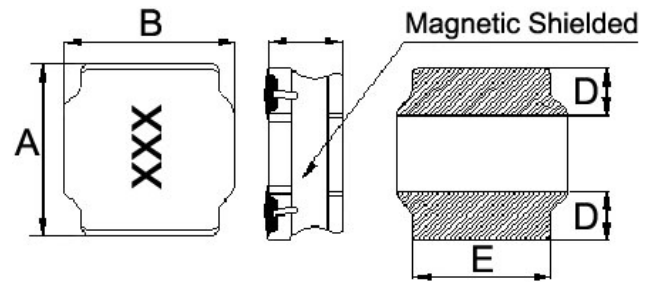


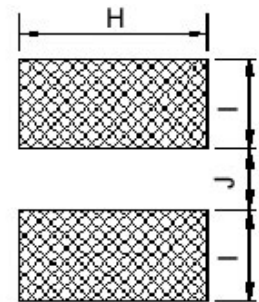
Figure 4



Dimensions in mm

TYPE	FIG	A	B	C Max	D	E	H	I	J
POV404018	3	4.0±0.2	4.0±0.2	1.8±0.2	1.3±0.3	3.6	3.7	1.2	1.6
POV505020	4	5.0±0.2	5.0±0.2	2.0±0.2	1.8±0.3	4.0	4.0	1.5	2.1
POV505040	4	5.0±0.2	5.0±0.2	4.0±0.2	1.6±0.3	4.0	4.0	1.5	2.1
POV606020	4	6.0±0.2	6.0±0.2	2.0±0.2	1.7±0.3	5.0	5.7	1.6	3.1
POV606028	3	6.0±0.2	6.0±0.2	2.8±0.2	1.9±0.3	4.8	5.7	1.6	3.1
POV606045	4	6.0±0.2	6.0±0.2	4.5 ^{+0.2} _{-0.30}	1.8±0.3	5.0	5.7	1.6	3.1
POV808040	4	8.0±0.2	8.0±0.2	4.0±0.2	2.3±0.3	6.3	7.5	2.1	3.8

Recommended Pattern

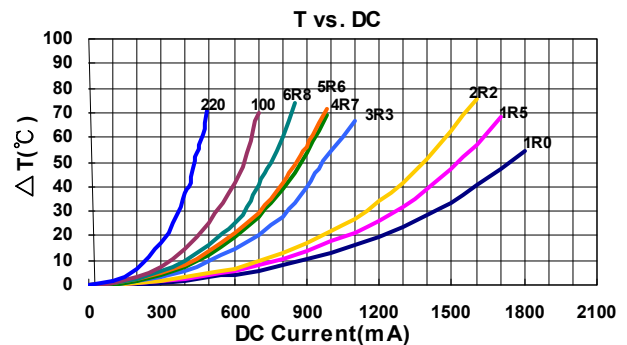
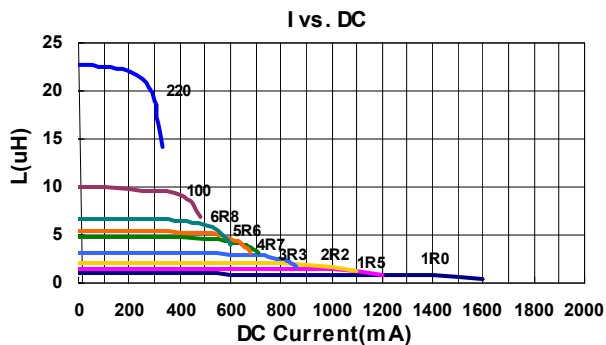


Electrical Characteristics

Part Number	Inductance (μ H)	Test Frequency (MHz)	Tolerance ($\pm\%$)	RDC (Ω) $\pm 30\%$	Isat (mA)Typ	Irms (mA)Typ
POV201610-1R0□	1.0	1	20, 30	0.17	1400	1600
POV201610-1R5□	1.5	1	20, 30	0.26	1100	1400
POV201610-2R2□	2.2	1	20, 30	0.32	1000	1200
POV201610-3R3□	3.3	1	20, 30	0.51	820	900
POV201610-4R7□	4.7	1	20, 30	0.67	680	800
POV201610-5R6□	5.6	1	20, 30	0.72	650	800
POV201610-6R8□	6.8	1	20, 30	0.97	560	700
POV201610-100□	10	1	20, 30	1.45	470	580
POV201610-220□	22	1	20, 30	2.90	310	400

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = $\pm 30\%$, M = $\pm 20\%$
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

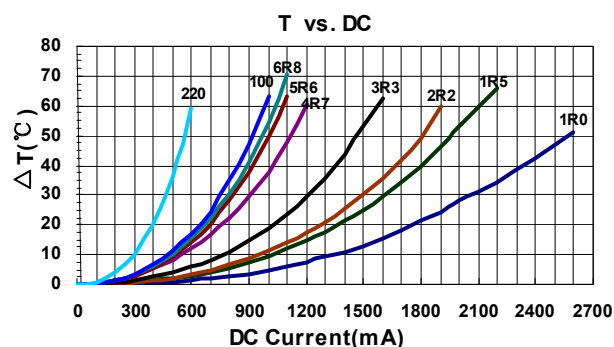
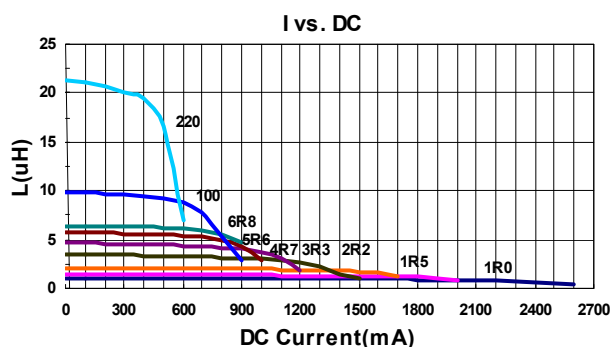


Electrical Characteristics

Part Number	Inductance (μ H)	Test Frequency (MHz)	Tolerance ($\pm\%$)	RDC (Ω) $\pm 30\%$	Isat (mA)Typ	Irms (mA)Typ
POV252010-1R0□	1.0	1	20, 30	0.093	2200	2200
POV252010-1R5□	1.5	1	20, 30	0.148	1900	1800
POV252010-2R2□	2.2	1	20, 30	0.178	1620	1680
POV252010-3R3□	3.3	1	20, 30	0.286	1220	1340
POV252010-4R7□	4.7	1	20, 30	0.421	1040	1020
POV252010-5R6□	5.6	1	20,30	0.481	920	840
POV252010-6R8□	6.8	1	20,30	0.598	900	880
POV252010-100□	10	1	20,30	0.797	740	820
POV252010-220□	22	1	20,30	1.839	500	520

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = $\pm 30\%$, M = $\pm 20\%$
- Packaging: Clear tape and reel {standard}.
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

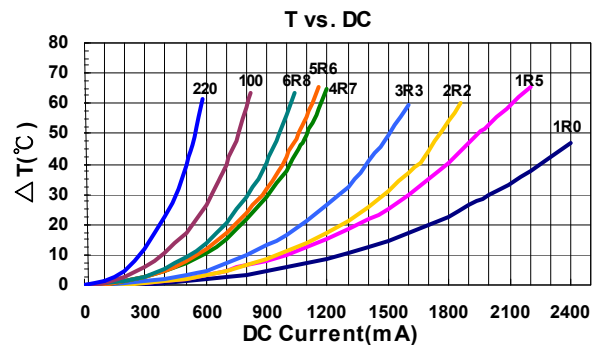
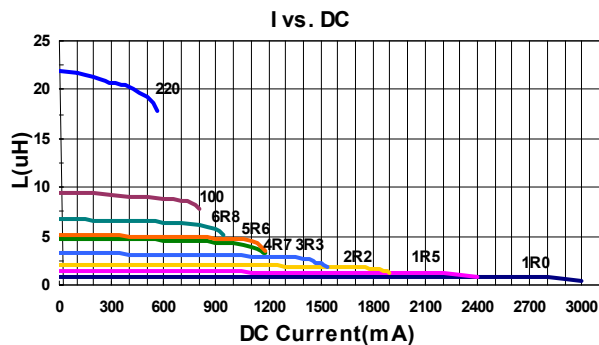


Electrical Characteristics

Part Number	Inductance (μ H)	Test Frequency (MHz)	Tolerance ($\pm\%$)	RDC (Ω) $\pm 30\%$	Isat (mA)Typ	Irms (mA)Typ
POV252012-1R0□	1.0	1	20, 30	0.105	2800	2200
POV252012-1R5□	1.5	1	20, 30	0.153	2200	1860
POV252012-2R2□	2.2	1	20, 30	0.219	1800	1700
POV252012-3R3□	3.3	1	20, 30	0.349	1300	1200
POV252012-4R7□	4.7	1	20, 30	0.507	1100	1040
POV252012-5R6□	5.6	1	20, 30	0.525	1100	1000
POV252012-6R8□	6.8	1	20,30	0.760	940	940
POV252012-100□	10	1	20,30	0.915	820	840
POV252012-220□	22	1	20,30	2.110	550	540

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = $\pm 30\%$, M = $\pm 20\%$
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

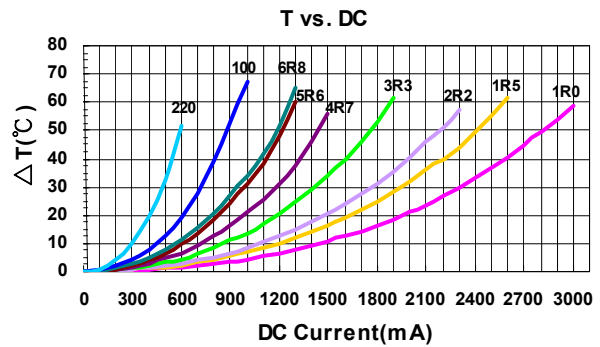
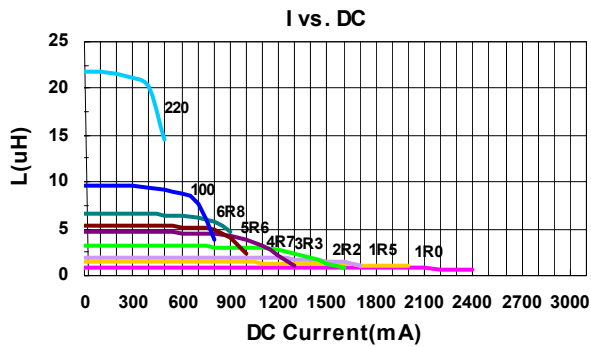


Electrical Characteristics

Part Number	Inductance (μ H)	Test Frequency (MHz)	Tolerance ($\pm\%$)	RDC (Ω) $\pm 30\%$	Isat (mA)Typ	Irms (mA)Typ
POV252012L-1R0□	1.0	1	20, 30	0.075	2300	2700
POV252012L-1R5□	1.5	1	20, 30	0.114	1900	2500
POV252012L-2R2□	2.2	1	20, 30	0.138	1600	2100
POV252012L-3R3□	3.3	1	20, 30	0.215	1300	1700
POV252012L-4R7□	4.7	1	20, 30	0.312	1000	1400
POV252012L-5R6□	5.6	1	20,30	0.393	920	990
POV252012L-6R8□	6.8	1	20,30	0.466	890	960
POV252012L-100□	10	1	20,30	0.702	730	820
POV252012L-220□	22	1	20,30	1.470	490	540

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = $\pm 30\%$, M = $\pm 20\%$
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

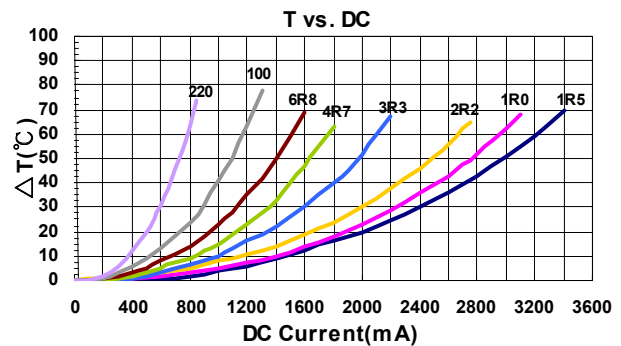
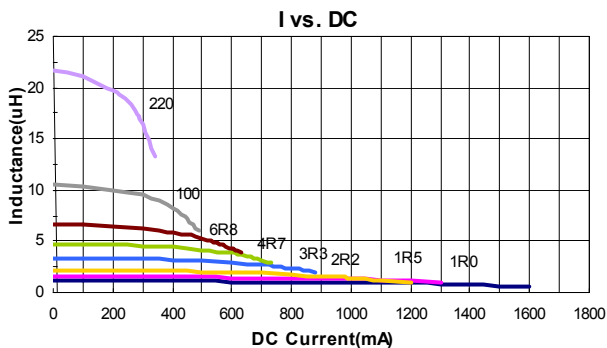


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (MHz)	Tolerance (±%)	RDC (Ω) ±30%	Isat (mA)Typ	Irms (mA)Typ	Marking
POV303010-1R0□	1.0	1	20, 30	0.063	1300	2400	1R0
POV303010-1R5□	1.5	1	20, 30	0.077	1100	2200	1R5
POV303010-2R2□	2.2	1	20, 30	0.087	960	2000	2R2
POV303010-3R3□	3.3	1	20, 30	0.127	780	1600	3R3
POV303010-4R7□	4.7	1	20, 30	0.186	650	1300	4R7
POV303010-6R8□	6.8	1	20, 30	0.253	560	1000	6R8
POV303010-100□	10	1	20,30	0.353	430	880	100
POV303010-220□	22	1	20,30	0.693	310	580	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

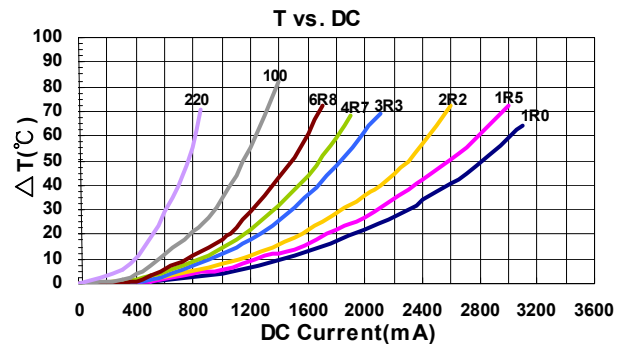
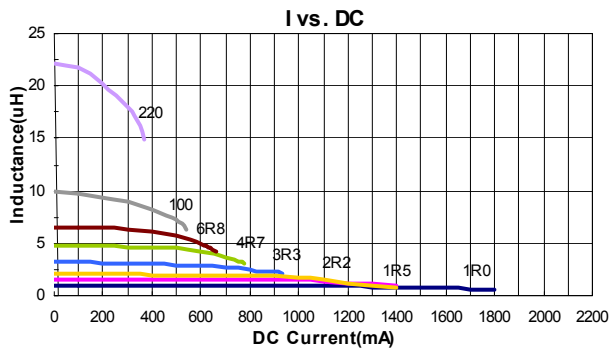


Electrical Characteristics

Part Number	Inductance (μ H)	Test Frequency (MHz)	Tolerance ($\pm\%$)	RDC (Ω) $\pm 30\%$	Isat (mA)Typ	Irms (mA)Typ	Marking
POV303012-1R0□	1.0	1	20, 30	0.048	1600	2500	1R0
POV303012-1R5□	1.5	1	20, 30	0.063	1200	2300	1R5
POV303012-2R2□	2.2	1	20, 30	0.076	1100	2000	2R2
POV303012-3R3□	3.3	1	20, 30	0.102	900	1600	3R3
POV303012-4R7□	4.7	1	20, 30	0.136	750	1500	4R7
POV303012-6R8□	6.8	1	20, 30	0.182	630	1300	6R8
POV303012-100□	10	1	20, 30	0.275	520	1000	100
POV303012-220□	22	1	20,30	0.594	350	650	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = $\pm 30\%$, M = $\pm 20\%$
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C . (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

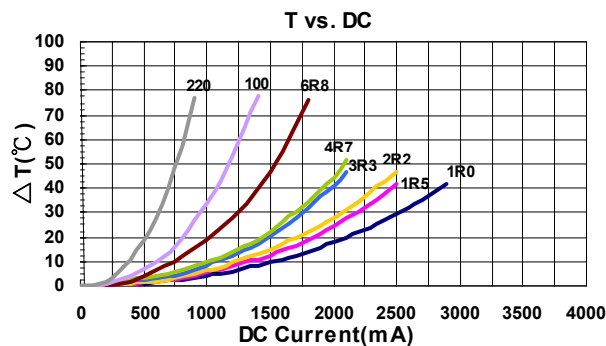
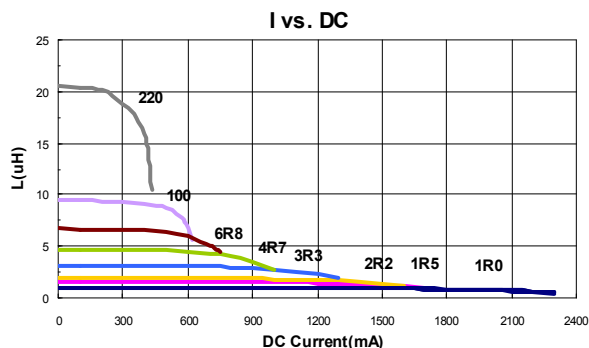


Electrical Characteristics

Part Number	Inductance (μ H)	Test Frequency (MHz)	Tolerance ($\pm\%$)	RDC (Ω) $\pm 30\%$	Isat (mA)Typ	Irms (mA)Typ	Marking
POV303015-1R0□	1.0	1	20, 30	0.056	2000	2800	1R0
POV303015-1R5□	1.5	1	20, 30	0.074	1600	2400	1R5
POV303015-2R2□	2.2	1	20, 30	0.079	1200	2300	2R2
POV303015-3R3□	3.3	1	20, 30	0.105	1000	1900	3R3
POV303015-4R7□	4.7	1	20, 30	0.130	900	1600	4R7
POV303015-6R8□	6.8	1	20, 30	0.165	730	1300	6R8
POV303015-100□	10	1	20, 30	0.206	600	1000	100
POV303015-220□	22	1	20, 30	0.501	420	650	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = $\pm 30\%$, M = $\pm 20\%$
- L : Agilent/HP4287A+ Agilent/HP16197A, 1MHz 200mV
- RDC : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat & Irms : Agilent/HP4284A, 1MHz 200mV
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

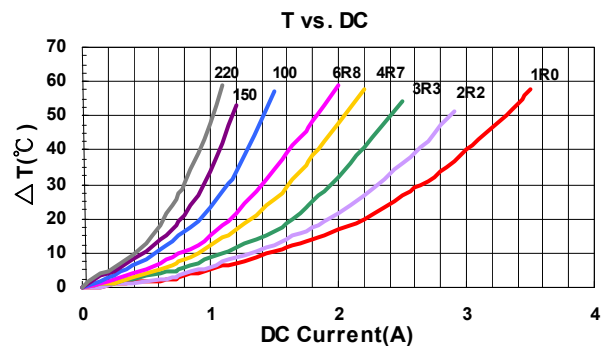
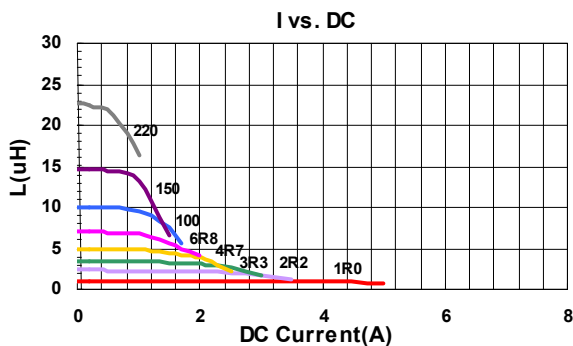


Electrical Characteristics

Part Number	Inductance (μ H)	Test Frequency (KHz)	Tolerance ($\pm\%$)	RDC ($m\Omega$) $\pm 20\%$	Isat (A)Typ.	Irms (A)Typ.	Marking
LVS404018-1R0□	1.0	100	30	32	4.10	2.80	1R0
LVS404018-2R2□	2.2	100	30	60	2.80	2.50	2R2
LVS404018-3R3□	3.3	100	30	70	2.20	2.10	3R3
LVS404018-4R7□	4.7	100	30	90	2.00	1.70	4R7
LVS404018-6R8□	6.8	100	20, 30	110	1.60	1.50	6R8
LVS404018-100□	10	100	20, 30	170	1.40	1.20	100
LVS404018-150□	15	100	20, 30	250	1.00	1.00	150
LVS404018-220□	22	100	20, 30	350	0.90	0.85	220
LVS404018-330□	33	100	20, 30	530	0.80	0.70	330
LVS404018-470□	47	100	20, 30	720	0.70	0.56	470
LVS404018-680□	68	100	20, 30	1000	0.56	0.45	680
LVS404018-101□	100	100	20, 30	1500	0.46	0.38	101
LVS404018-151□	150	100	20, 30	2500	0.35	0.30	151
LVS404018-221□	220	100	20, 30	4000	0.28	0.23	221

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = $\pm 20\%$, T = $\pm 30\%$
- L : Agilent/HP 4284A + Agilent/HP 16334A ,100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

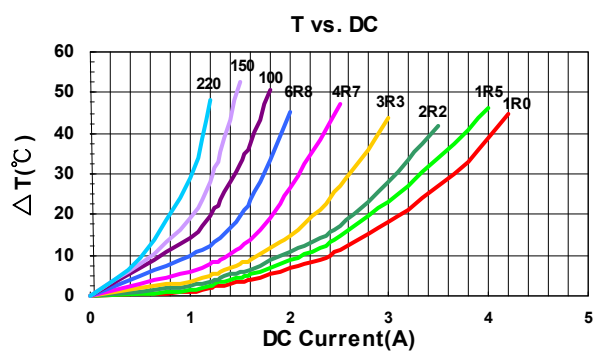
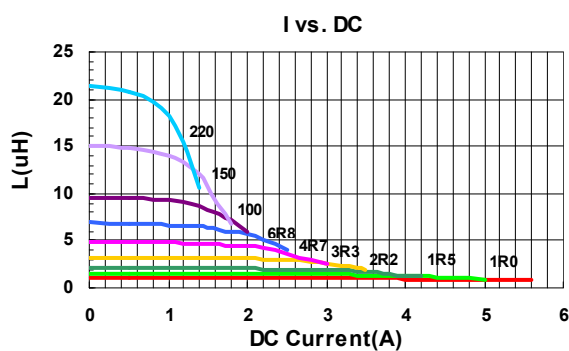


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±20%	Isat (A)Typ.	Irms (A)Typ.	Marking
POV505020-1R0□	1.0	100	30	21	5.1	4.0	1R0
POV505020-1R5□	1.5	100	30	26	4.2	3.5	1R5
POV505020-2R2□	2.2	100	30	35	3.4	3.2	2R2
POV505020-3R3□	3.3	100	30	48	3.0	2.8	3R3
POV505020-4R7□	4.7	100	20, 30	60	2.2	2.2	4R7
POV505020-6R8□	6.8	100	20, 30	90	2.0	1.8	6R8
POV505020-100□	10	100	20, 30	120	1.6	1.6	100
POV505020-150□	15	100	20, 30	190	1.3	1.2	150
POV505020-220□	22	100	20, 30	260	1.0	1.0	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A ,100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

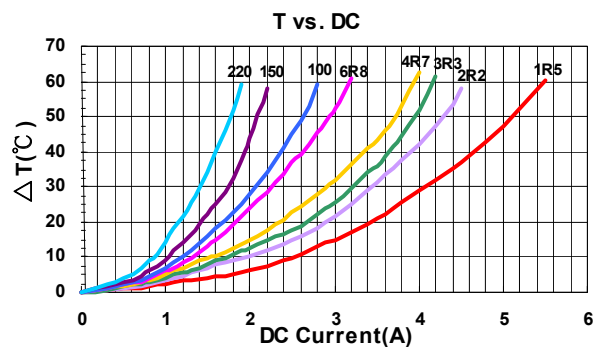
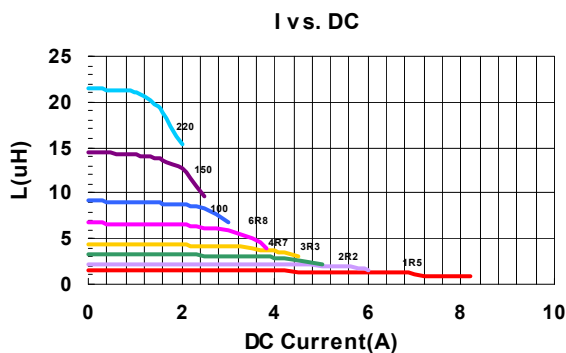


Electrical Characteristics

Part Number	Inductance (μ H)	Test Frequency (KHz)	Tolerance ($\pm$ %)	RDC ($m\Omega$) $\pm 30\%$	Isat (A)Typ.	Irms (A)Typ.	Marking
POV505040-1R5□	1.5	100	30	16	7.1	4.4	1R5
POV505040-2R2□	2.2	100	30	21	5.7	3.7	2R2
POV505040-3R3□	3.3	100	30	26	4.8	3.5	3R3
POV505040-4R7□	4.7	100	20, 30	32	4.2	3.2	4R7
POV505040-6R8□	6.8	100	20, 30	50	3.3	2.4	6R8
POV505040-100□	10	100	20, 30	60	2.8	2.2	100
POV505040-150□	15	100	20, 30	90	2.3	1.8	150
POV505040-220□	22	100	20, 30	135	1.8	1.4	220
POV505040-330□	33	100	20, 30	190	1.5	1.1	330
POV505040-470□	47	100	20, 30	310	1.2	0.9	470

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = $\pm 20\%$, T = $\pm 30\%$
- L : Agilent/HP 4284A + Agilent/HP 16334A ,100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

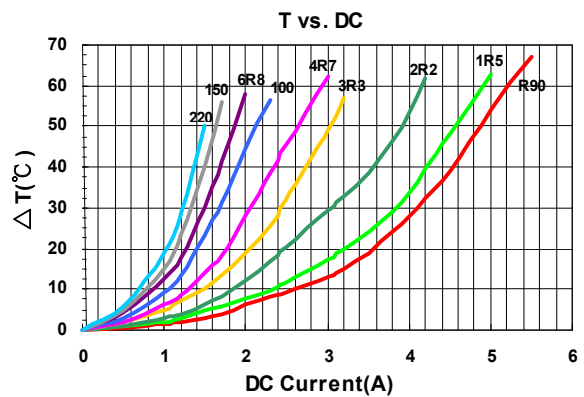
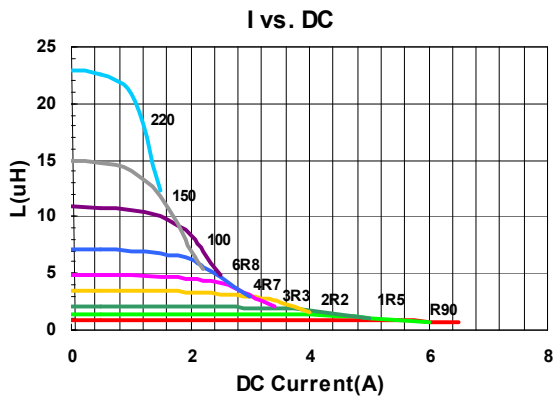


Electrical Characteristics

Part Number	Inductance (μ H)	Test Frequency (KHz)	Tolerance ($\pm\%$)	RDC ($m\Omega$) $\pm 30\%$	Isat (A)Typ.	Irms (A)Typ.	Marking
POV606020-R90	0.9	100	30	18	6.3	4.2	R90
POV606020-1R5	1.5	100	30	26	5.0	3.6	1R5
POV606020-2R2	2.2	100	30	34	4.2	3.2	2R2
POV606020-3R3	3.3	100	30	40	3.2	2.7	3R3
POV606020-4R7	4.7	100	30	58	2.5	2.2	4R7
POV606020-6R8	6.8	100	20, 30	85	2.2	1.8	6R8
POV606020-100	10	100	20, 30	125	2.0	1.6	100
POV606020-150	15	100	20, 30	190	1.3	1.3	150
POV606020-220	22	100	20, 30	260	1.1	1.1	220

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = $\pm 20\%$, T = $\pm 30\%$
- L : Agilent/HP 4284A + Agilent/HP 16334A , 100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502, or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

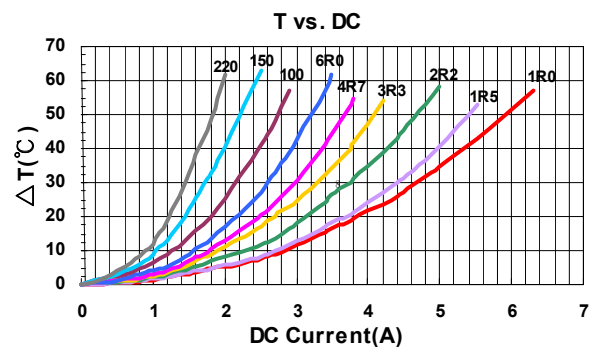
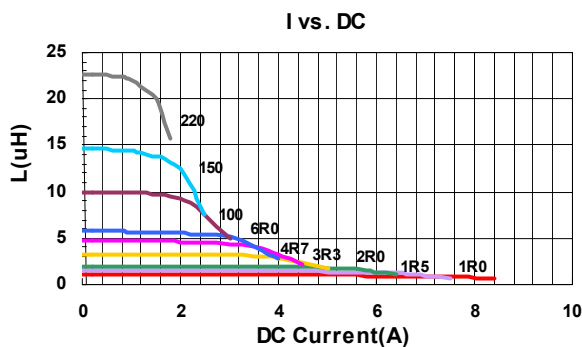


Electrical Characteristics

Part Number	Inductance (μ H)	Test Frequency (KHz)	Tolerance ($\pm\%$)	RDC ($m\Omega$) $\pm 30\%$	Isat (A)Typ.	Irms (A)Typ.	Marking
POV606028-1R0□	1.0	100	30	13	7.6	5.2	1R0
POV606028-1R5□	1.5	100	30	16	6.3	4.8	1R5
POV606028-2R2□	2.2	100	30	20	5.4	4.0	2R2
POV606028-3R3□	3.3	100	30	28	4.3	3.5	3R3
POV606028-4R7□	4.7	100	20, 30	38	3.7	3.2	4R7
POV606028-6R0□	6.0	100	20, 30	45	3.3	2.8	6R0
POV606028-6R8□	6.8	100	20, 30	50	3.1	2.7	6R8
POV606028-100□	10	100	20, 30	65	2.5	2.3	100
POV606028-150□	15	100	20, 30	95	2.0	1.8	150
POV606028-220□	22	100	20, 30	135	1.6	1.5	220
POV606028-330□	33	100	20, 30	220	1.3	1.4	330
POV606028-470□	47	100	20, 30	320	1.1	1.0	470
POV606028-680□	68	100	20, 30	420	0.98	0.9	680
POV606028-101□	100	100	20, 30	600	0.82	0.8	101

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = $\pm 20\%$, T = $\pm 30\%$
- L : Agilent/HP 4284A + Agilent/HP 16334A ,100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

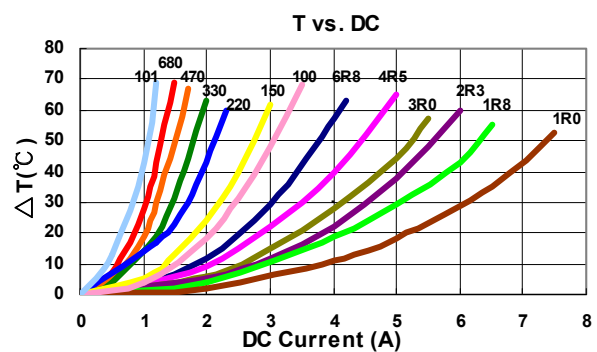
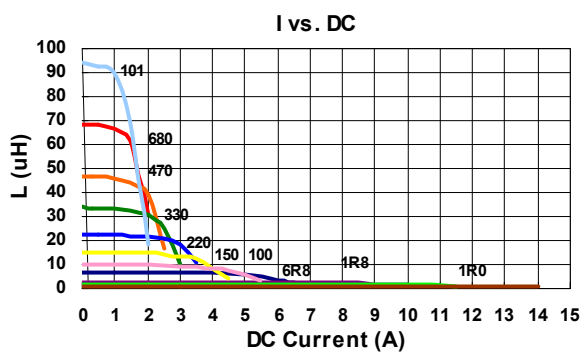


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±30%	Isat (A)Typ.	Irms (A)Typ.	Marking
POV606045-1R0□	1.0	100	30	12	12.2	6.5	1R0
POV606045-1R8□	1.8	100	30	17	9.6	5.6	1R8
POV606045-2R3□	2.3	100	30	19	8.8	5.0	2R3
POV606045-3R0□	3.0	100	30	22	7.8	4.4	3R0
POV606045-4R5□	4.5	100	30	31	6.7	3.9	4R5
POV606045-6R8□	6.8	100	20, 30	43	5.3	3.2	6R8
POV606045-100□	10	100	20, 30	57	4.5	2.7	100
POV606045-150□	15	100	20, 30	80	3.4	2.2	150
POV606045-220□	22	100	20, 30	125	3.0	1.9	220
POV606045-330□	33	100	20, 30	165	2.3	1.4	330
POV606045-470□	47	100	20, 30	245	1.9	1.2	470
POV606045-680□	68	100	20, 30	330	1.6	1.0	680
POV606045-101□	100	100	20, 30	500	1.3	0.8	101

- When ordering, please specify tolerance and packaging codes.
- Tolerance : M = ±20% , T = ±30%
- L : Agilent/HP 4284A + Agilent/HP 16334A ,100KHz with 1V.
- Isat & Irms : Agilent/HP 4284A , 100KHz with 1V.
- Rdc : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40°C rise above 25°C ambient.
- Operating temperature range from -25°C to 105°C. (Including self - temperature rise)

Test Instruments : HP4291A Material/Impedance Analyzer

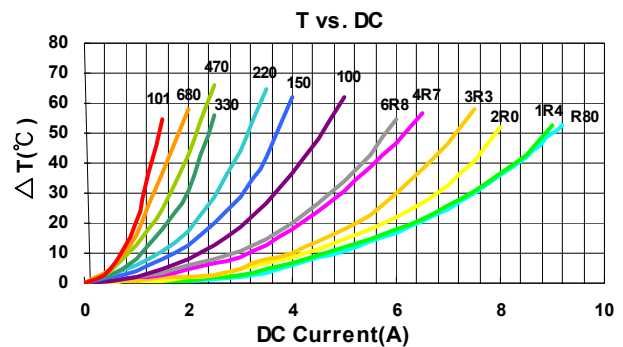
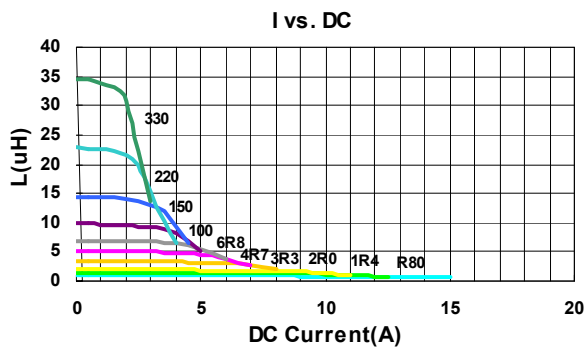


Electrical Characteristics

Part Number	Inductance (uH)	Test Frequency (KHz)	Tolerance (±%)	RDC (mΩ) ±30%	Isat (A)Typ.	Irms (A)Typ.	Marking
POV808040-R90□	0.9	100	30	7	13.8	8.05	R90
POV808040-1R4□	1.4	100	30	9	10.8	7.8	1R4
POV808040-2R0□	2.0	100	30	11	9.6	7.4	2R0
POV808040-3R3□	3.3	100	30	15	7.5	6.0	3R3
POV808040-4R7□	4.7	100	30	18	6	5.5	4R7
POV808040-6R8□	6.8	100	20, 30	25	5.4	5.1	6R8
POV808040-100□	10	100	20, 30	38	4.3	3.8	100
POV808040-150□	15	100	20, 30	50	3.6	3.2	150
POV808040-220□	22	100	20, 30	80	2.8	2.6	220
POV808040-330□	33	100	20, 30	110	2.3	2.0	330
POV808040-470□	47	100	20, 30	160	1.9	1.75	470
POV808040-680□	68	100	20, 30	240	1.7	1.45	680
POV808040-101□	100	100	20, 30	340	1.4	1.10	101

- When ordering, please specify tolerance and packaging codes.
- Tolerance : T = ±30% , M = ±20%
- L : Agilent/HP4284A+ Agilent/HP16334A, 100KHz ,1V.
- RDC : Digital Milliohm Meter Chroma 16502,or equivalent
- Isat & Irms : Agilent/HP4284A, 100KHz ,1V.
- Isat for Inductance drop 30% from its value without current.
- Irms for a 40℃ rise above 25℃ ambient.
- Operating temperature range from -25℃ to 105℃ . (Including self - temperature rise)

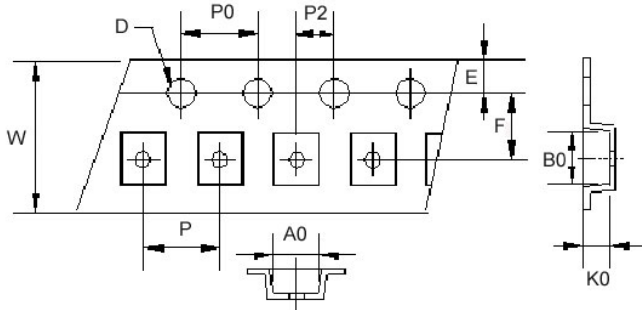
Test Instruments : HP4291A Material/Impedance Analyzer



Packaging Specifications

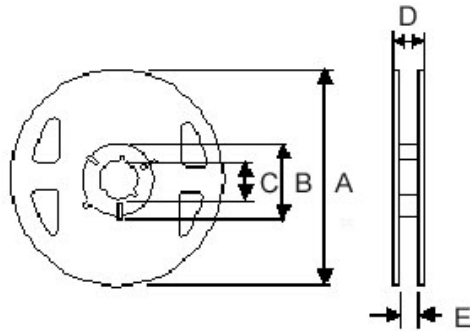
Tape Dimensions

Figure 1



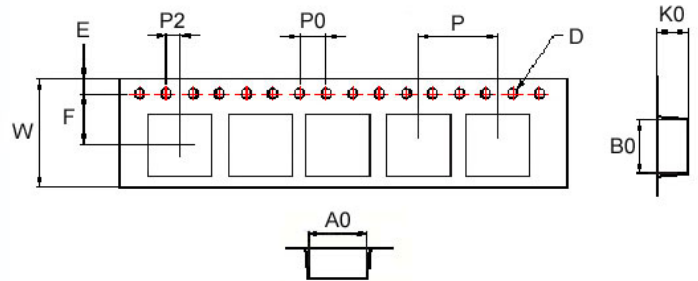
Reel Dimensions

Figure 1



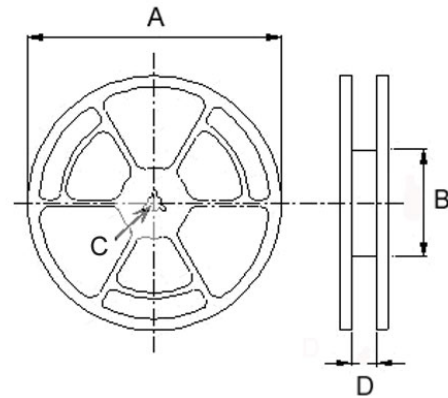
Tape Dimensions

Figure 2



Reel Dimensions

Figure 2



Dimensions in mm

TYPE	Fig	Tape Dimensions										Reel Dimensions					Quantity PCS / Reel
		A0	B0	K0	D	E	F	W	P	P0	P2	A	B	C	D	E	
POV201610	1	1.80	2.20	1.15	1.55	1.75	3.5	8.1	4	4	2	180	60	13	14.4	8.4	2000
POV252010	1	2.30	2.70	1.15	1.55	1.75	3.5	8.1	4	4	2	180	60	13	14.4	8.4	2000
POV252012	1	2.30	2.70	1.30	1.55	1.75	3.5	8.1	4	4	2	180	60	13	14.4	8.4	2000
POV252012L	1	2.30	2.70	1.30	1.55	1.75	3.5	8.1	4	4	2	180	60	13	14.4	8.4	2000
POV303010	1	3.15	3.15	1.10	1.55	1.75	3.5	8.0	4	4	2	180	60	13	14.4	8.4	2000
POV303012	1	3.15	3.15	1.30	1.55	1.75	3.5	8.0	4	4	2	180	60	13	14.4	8.4	2000
POV303015	1	3.30	3.30	1.70	1.55	1.75	3.5	8.0	4	4	2	180	60	13	14.4	8.4	2000
POV404018	2	4.25	4.25	2.10	1.55	1.75	5.5	12	8	4	2	178	60	13	13.2	-	800
POV505020	2	5.30	5.30	2.20	1.55	1.75	5.5	12	8	4	2	330	100	13	17.4	-	2000
POV505040	2	5.30	5.30	4.40	1.55	1.75	5.5	12	8	4	2	330	100	13	17.4	-	1500
POV606020	2	6.20	6.20	2.00	1.55	1.75	7.5	16	12	4	2	330	100	13	17.4	-	2000
POV606028	2	6.20	6.20	3.50	1.55	1.75	7.5	16	12	4	2	330	100	13	17.4	-	1500
POV606045	2	6.50	6.50	4.70	1.55	1.75	7.5	16	12	4	2	330	100	13	17.4	-	1000
POV808040	2	8.50	8.50	4.30	1.55	1.75	7.5	16	12	4	2	330	100	13	17.4	-	1000