Gausstek Corp.

SMD POWER INDUCTORS

Series PI

FEATURES

- Excellent solderability and high heat resistance.
- Excellent terminal strength construction.
- Packed in embossed carrier tape and can be use by automatic mounting machine.

APPLICATION

- Notebook , PC
- VTR
- Digital Cameras
- G.P.S
- Portable CDR-W
- MP3, PDA
- TFT, LCD Monitors and TV.

PRODUCT IDENTIFICATION

PI	52	X	45	1	K	10U
a	b	c	d	e	f	g

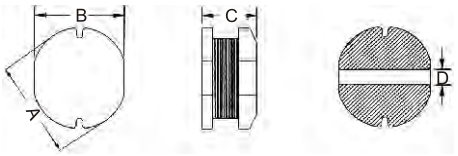
a : Type of Products - SMD Power Inductors
b : Dimension - 30 : 3.5X3.0 mm, 40 : 4.5x4.0, 52 : 5.8x5.2 mm
70 : 7.8x7.0 mm, 90 : 10x9.0 mm
c : Materials - X - No Use
d : Thickness - 15 = 1.5 mm, 21 = 2.1 mm, 25 = 2.5 mm, 30 = 3.0 mm
35 = 3.5 mm, 40 = 4.0 mm, 45 = 4.5 mm, 50 = 5.0 mm
54 = 5.4 mm, 75 = 7.5 mm, 85 = 8.5 mm
e : Packing - PCS/REEL - I = 500, S = 800, 1 = 1000, J = 1500,
2 = 2000, 3 = 3000, 4 = 4000
f : Tolerance - K : ±10%, M : ±20%
g : Inductance - 10U = 10.0 μH, 1M5 = 1500 μH

SHAPES & DIMENSIONS

Dimension in mm

Type	A	B	C	D typ.
PI30X14	3.5±0.3	3.0±0.3	1.4 Max.	1.2
PI30X16	3.5±0.3	3.0±0.3	1.6±0.3	1.2
PI30X20	3.5±0.3	3.0±0.3	2.0±0.3	1.2
PI40X25	4.5±0.3	4.0±0.3	2.6±0.3	1.2
PI40X32	4.5±0.3	4.0±0.3	3.2±0.3	1.2
PI52X25	5.8±0.3	5.2±0.3	2.5±0.3	1.3
PI52X30	5.8±0.3	5.2±0.3	3.0±0.4	1.3
PI52X45	5.8±0.3	5.2±0.3	4.5±0.4	1.3
PI70X35	7.8±0.3	7.0±0.3	3.5±0.5	2.1
PI70X50	7.8±0.3	7.0±0.3	5.0±0.5	2.1
PI90X40	10.0±0.4	9.0±0.3	4.0±0.5	2.1
PI90X54	10.0±0.4	9.0±0.3	5.4±0.4	2.1
PI90X75	10.0±0.4	9.0±0.3	7.5 Max.	2.1
PI90X85	10.0±0.4	9.0±0.3	8.5 Max.	3.0

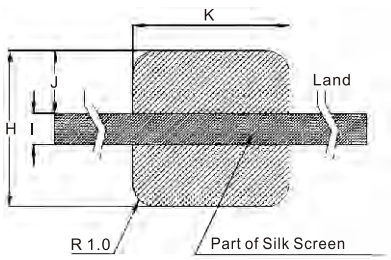
Dimensions Terminal Shapes



RECOMMENDED LAND PATTERNS FOR SMD

Unit : mm

Type	H	I	K
PI30X14	3.8	1.0	3.5
PI30X16	3.8	1.0	3.5
PI30X20	3.8	1.0	3.5
PI40X25	5.0	1.0	4.5
PI40X32	6.0	1.0	5.7
PI52X25	6.0	1.1	5.7
PI52X30	6.0	1.1	5.7
PI52X45	8.1	1.1	7.5
PI70X35	8.1	1.7	7.5
PI70X50	10.4	1.7	9.5
PI90X40	10.0	1.6	9.5
PI90X54	10.0	1.6	9.5
PI90X75	10.0	1.6	9.5
PI90X85	10.0	2.5	9.5



Series PI

ELECTRICAL CHARACTERISTICS

Test Frequency 0.8 μH ~ 8.2 μH @ 100KHz / 0.25V 10 μH ~ 10000 μH @ 1KHz / 0.25V

Part Number	Inductance (μ H)	RDC (Ω) max.	IDC (A) max.
PI30X144□1U	1	0.06	1.4
PI30X144□1U4	1.4	0.069	1.4
PI30X144□1U5	1.5	0.081	1.3
PI30X144□1U8	1.8	0.098	1.24
PI30X144□2U2	2.2	0.11	1.05
PI30X144□2U7	2.7	0.135	1.04
PI30X144□3U3	3.3	0.15	0.8
PI30X144□3U9	3.9	0.188	0.89
PI30X144□4U7	4.7	0.21	0.75
PI30X144□5U6	5.6	0.25	0.65
PI30X144□6U8	6.8	0.3	0.56
PI30X144□8U2	8.2	0.38	0.5
PI30X144□10U	10	0.44	0.45
PI30X144□12U	12	0.5	0.43
PI30X144□15U	15	0.61	0.39
PI30X144□18U	18	0.73	0.32
PI30X144□22U	22	0.91	0.28
PI30X144□27U	27	1.15	0.26
PI30X144□33U	33	1.39	0.25
PI30X144□39U	39	1.88	0.23
PI30X144□47U	47	2.26	0.21
PI30X144□56U	56	2.69	0.2
PI30X144□68U	68	3.18	0.18
PI30X144□82U	82	3.67	0.16
PI30X144□100U	100	4.94	0.14
PI30X144□120U	120	5.35	0.12
PI30X164□1U	1	0.048	1.6
PI30X164□1U5	1.5	0.1	1.55
PI30X164□2U2	2.2	0.078	1.47
PI30X164□3U3	3.3	0.126	1.34
PI30X164□3U9	3.9	0.14	1.24
PI30X164□4U7	4.7	0.158	1.22
PI30X164□5U6	5.6	0.186	1.09
PI30X164□6U8	6.8	0.213	0.96
PI30X164□8U2	8.2	0.238	0.84
PI30X164□10U	10	0.307	0.7
PI30X164□12U	12	0.372	0.65
PI30X164□15U	15	0.466	0.59
PI30X164□18U	18	0.515	0.54
PI30X164□22U	22	0.656	0.48
PI30X164□27U	27	0.778	0.43
PI30X164□33U	33	1.021	0.37
PI30X164□39U	39	1.122	0.32
PI30X164□47U	47	1.509	0.26
PI30X164□56U	56	1.675	0.24
PI30X164□68U	68	1.919	0.23
PI30X164□82U	82	2.644	0.21
PI30X164□100U	100	2.87	0.19
PI30X164□120U	120	4.084	0.17
PI30X164□150U	150	4.774	0.16
PI30X164□180U	180	5.699	0.14
PI30X164□220U	220	9.00	0.12
PI30X164□270U	270	9.50	0.11
PI30X164□330U	330	9.70	0.109
PI30X164□390U	390	12	0.098
PI30X164□470U	470	14	0.09
PI30X164□560U	560	18.26	0.081
PI30X164□680U	680	20	0.074
PI30X164□820U	820	30	0.071
PI30X164□1M	1000	34	0.066
PI30X164□1M5	1500	74.9	0.06
PI30X164□1M8	1800	84.11	0.05
PI30X164□2M2	2200	97.37	0.05
PI30X164□2M5	2500	81	0.04
PI30X164□2M7	2700	93	0.038
PI30X164□3M9	3900	113	0.036
PI30X203□500N	0.5	0.02	4.2
PI30X203□1U	1	0.035	3.34
PI30X203□1U4	1.4	0.045	3.01
PI30X203□1U8	1.8	0.054	2.68
PI30X203□2U2	2.2	0.059	2.35
PI30X203□2U7	2.7	0.077	2.01
PI30X203□3U3	3.3	0.098	1.83
PI30X203□3U9	3.9	0.117	1.64
PI30X203□4U7	4.7	0.137	1.5
PI30X203□5U6	5.6	0.157	1.36
PI30X203□6U8	6.8	0.196	1.22
PI30X203□8U2	8.2	0.23	1.09
PI30X203□10U	10	0.286	0.95
PI30X203□12U	12	0.322	0.88
PI30X203□15U	15	0.398	0.82
PI30X203□16U	16	0.539	0.77
PI30X203□18U	18	0.52	0.76
PI30X203□22U	22	0.66	0.63
PI30X203□27U	27	0.76	0.62
PI30X203□33U	33	0.87	0.56
PI30X203□39U	39	1.1	0.51
PI30X203□47U	47	1.25	0.47
PI30X203□56U	56	1.59	0.42
PI30X203□68U	68	1.82	0.38
PI30X203□82U	82	2.44	0.34
PI30X203□100U	100	2.84	0.31
PI30X203□120U	120	3.19	0.28
PI30X203□150U	150	4.47	0.25
PI30X203□180U	180	5.11	0.23
PI30X203□220U	220	7.31	0.21
PI30X203□270U	270	8.24	0.19
PI30X203□330U	330	10.19	0.17
PI30X203□390U	390	13.5	0.15
PI30X203□470U	470	16.35	0.14
PI30X203□560U	560	18.34	0.12
PI30X203□680U	680	24.8	011
PI30X203□820U	820	32.79	0.10
PI30X203□1M	1000	37.91	0.09
PI30X203□1M5	1500	54	0.066
PI30X203□2M2	2200	85.57	0.065
PI40X252□560N	0.56	0.200	2.7
PI40X252□1U	1.0	0.570	2.47
PI40X252□1U4	1.4	0.064	2.22
PI40X252□2U	2.0	0.079	1.60
PI40X252□2U2	2.2	0.079	1.60
PI40X252□2U7	2.7	0.080	1.46
PI40X252□3U3	3.3	0.094	1.38
PI40X252□3U9	3.9	0.100	1.30
PI40X252□4U1	4.1	0.110	1.28
PI40X252□4U7	4.7	0.12	1.12
PI40X252□5U6	5.6	0.12	1.02
PI40X252□6U8	6.8	0.14	0.98
PI40X252□8U2	8.2	0.15	0.94
PI40X252□10U	10	0.19	0.91

Series PI

ELECTRICAL CHARACTERISTICS

Test Frequency 0.8 μH ~ 8.2 μH @ 100KHz / 0.25V 10 μH ~ 10000 μH @ 1KHz / 0.25V

Part Number	Inductance (μ H)	RDC (Ω) max.	IDC (A) max.
PI40X252□12U	12	0.21	0.86
PI40X252□15U	15	0.25	0.76
PI40X252□18U	18	0.35	0.71
PI40X252□20U	20	0.39	0.61
PI40X252□22U	22	0.42	0.60
PI40X252□27U	27	0.54	0.56
PI40X252□33U	33	0.59	0.51
PI40X252□39U	39	0.80	0.49
PI40X252□47U	47	0.88	0.42
PI40X252□56U	56	0.96	0.37
PI40X252□68U	68	1.16	0.31
PI40X252□82U	82	1.24	0.27
PI40X252□100U	100	1.32	0.25
PI40X252□120U	120	1.48	0.24
PI40X252□150U	150	1.84	0.20
PI40X252□180U	180	2.19	0.19
PI40X252□220U	220	2.627	0.17
PI40X252□270U	270	3.307	0.16
PI40X252□330U	330	3.856	0.135
PI40X252□390U	390	4.48	0.13
PI40X252□470U	470	5.8	0.12
PI40X252□560U	560	6.68	0.11
PI40X252□680U	680	9.93	0.098
PI40X252□820U	820	11.21	0.08
PI40X252□1M	1000	16.20	0.078
PI40X252□1M2	1200	15.33	0.074
PI40X252□1M5	1500	19.42	0.060
PI40X252□1M8	1800	22.82	0.058
PI40X252□2M2	2200	29.61	0.050
PI40X252□2M5	2500	33.97	0.046
PI40X252□2M7	2700	45.57	0.045
PI40X252□3M9	3900	51.76	0.039
PI40X252□4M7	4700	75.37	0.036
PI40X252□5M	5000	86.50	0.032
PI40X252□5M6	5600	68.07	0.030
PI40X252□9M	9000	124.37	0.026
PI40X252□15M	15000	248.58	0.020
PI40X322□180N	0.18	0.009	3.00
PI40X322□330N	0.33	0.011	3.00
PI40X322□600N	0.6	0.020	3.00
PI40X322□1U	1	0.049	2.56
PI40X322□1U4	1.4	0.057	2.52
PI40X322□1U8	1.8	0.064	1.95
PI40X322□2U2	2.2	0.072	1.75
PI40X322□2U7	2.7	0.079	1.58
PI40X322□3U	3	0.080	1.48
PI40X322□3U3	3.3	0.087	1.44
PI40X322□3U9	3.9	0.094	1.33
PI40X322□4U1	4.1	0.100	1.24
PI40X322□4U7	4.7	0.109	1.15
PI40X322□5U6	5.6	0.126	1.10
PI40X322□6U8	6.8	0.132	1.08
PI40X322□8U2	8.2	0.147	1.05
PI40X322□10U	10	0.182	1.04
PI40X322□12U	12	0.201	0.97
PI40X322□15U	15	0.235	0.85
PI40X322□18U	18	0.338	0.74
PI40X322□20U	20	0.300	0.71
PI40X322□22U	22	0.378	0.68
PI40X322□27U	27	0.522	0.62

Part Number	Inductance (μ H)	RDC (Ω) max.	IDC (A) max.
PI40X322□33U	33	0.540	0.56
PI40X322□39U	39	0.587	0.52
PI40X322□47U	47	0.844	0.44
PI40X322□56U	56	0.937	0.42
PI40X322□68U	68	1.117	0.37
PI40X322□82U	82	1.14	0.34
PI40X322□100U	100	1.19	0.30
PI40X322□120U	120	1.40	0.25
PI40X322□150U	150	1.80	0.21
PI40X322□180U	180	1.92	0.20
PI40X322□220U	220	2.03	0.18
PI40X322□270U	270	2.89	0.174
PI40X322□330U	330	3.76	0.168
PI40X322□470U	470	5.14	0.158
PI40X322□560U	560	6.37	0.148
PI40X322□680U	680	9.24	0.128
PI40X322□820U	820	10.5	0.110
PI40X322□1M	1000	15.1	0.109
PI40X322□1M5	1500	19.0	0.089
PI40X322□1M8	1800	21.6	0.070
PI40X322□2M2	2200	27.0	0.07
PI40X322□2M5	2500	28.0	0.07
PI40X322□2M7	2700	37.0	0.07
PI40X322□3M9	3900	46.2	0.05
PI40X322□4M7	4700	67.9	0.05
PI40X322□5M	5000	72.0	0.05
PI40X322□9M	9000	124.5	0.04
PI40X322□10M	10000	160.0	0.04
PI40X322□15M	15000	190.0	0.04
PI40X322□33M	33000	482.0	0.016
PI52X252□2U7	2.7	0.036	3
PI52X252□3U3	3.3	0.050	2
PI52X252□3U9	3.9	0.052	2
PI52X252□4U7	4.7	0.057	1.8
PI52X252□5U6	5.6	0.085	1.46
PI52X252□6U8	6.8	0.112	1.35
PI52X252□8U2	8.2	0.125	1.25
PI52X252□10U	10	0.140	1.15
PI52X252□12U	12	0.200	1.12
PI52X252□15U	15	0.230	1.04
PI52X252□18U	18	0.250	0.98
PI52X252□22U	22	0.300	0.89
PI52X252□27U	27	0.400	0.78
PI52X252□33U	33	0.480	0.70
PI52X252□39U	39	0.520	0.68
PI52X252□47U	47	0.560	0.58
PI52X252□56U	56	0.760	0.54
PI52X252□68U	68	0.93	0.49
PI52X252□82U	82	1.200	0.460
PI52X252□100U	100	1.340	0.420
PI52X252□150U	150	1.900	0.320
PI52X252□180U	180	2.090	0.310
PI52X252□200U	200	2.610	0.300
PI52X252□220U	220	3.260	0.280
PI52X252□330U	330	4.200	0.260
PI52X252□1M	1000	15.000	0.140
PI52X252□10M	10000	102	0.052

Series PI

ELECTRICAL CHARACTERISTICS

Test Frequency 0.8 μH ~ 8.2 μH @ 100KHz / 0.25V 10 μH ~ 10000 μH @ 1KHz / 0.25V

Part Number	Inductance (μ H)	RDC (Ω) max.	IDC (A) max.
PI52X302□1U	1	0.020	4.00
PI52X302□1U2	1.2	0.022	3.95
PI52X302□1U5	1.5	0.024	3.90
PI52X302□1U8	1.8	0.026	3.85
PI52X302□2U2	2.2	0028	3.80
PI52X302□2U7	2.7	0.030	3.70
PI52X302□3U3	3.3	0.040	3.40
PI52X302□4U7	4.7	0.050	3.10
PI52X302□5U6	5.6	0.070	2.80
PI52X302□6U8	6.8	0.080	2.50
PI52X302□8U2	8.2	0.090	2.20
PI52X302□10U	10	0.110	1.90
PI52X302□12U	12	0.130	1.60
PI52X302□15U	15	0.150	1.30
PI52X302□18U	18	0.180	1.00
PI52X302□22U	22	0.220	0.93
PI52X302□27U	27	0.270	0.86
PI52X302□33U	33	0.310	0.79
PI52X302□39U	39	0.330	0.78
PI52X302□47U	47	0.450	0.72
PI52X302□56U	56	0.580	0.65
PI52X302□68U	68	0.670	0.58
PI52X302□82U	82	0.890	0.51
PI52X302□100U	100	1.220	0.44
PI52X302□120U	120	1.300	0.40
PI52X302□150U	150	1.410	0.37
PI52X302□220U	220	2.790	0.33
PI52X302□270U	270	1.900	0.33
PI52X302□330U	330	4.200	0.26
PI52X302□470U	470	15.00	0.14
PI52X302□1M	1000	102.0	0.052
PI52X45J□1U	1	0.010	5
PI52X45J□1U5	1.5	0.013	4.5
PI52X45J□2U2	2.2	0.017	4.2
PI52X45J□2U6	2.6	0.022	4.2
PI52X45J□2U7	2.7	0.025	4
PI52X45J□3U3	3.3	0.034	2.5
PI52X45J□3U9	3.9	0.035	2.2
PI52X45J□4U7	4.7	0.035	2
PI52X45J□4U8	4.8	0.035	1.98
PI52X45J□5U6	5.6	0.038	1.82
PI52X45J□6U8	6.8	0.042	1.69
PI52X45J□7U5	7.5	0.060	1.65
PI52X45J□8U2	8.2	0.060	1.56
PI52X45J□10U	10	0.10	1.44
PI52X45J□12U	12	0.12	1.40
PI52X45J□15U	15	0.14	1.30
PI52X45J□18U	18	0.15	1.23
PI52X45J□22U	22	0.18	1.10
PI52X45J□27U	27	0.20	0.97
PI52X45J□33U	33	0.23	0.88
PI52X45J□39U	39	0.32	0.80
PI52X45J□47U	47	0.37	0.72
PI52X45J□56U	56	0.42	0.68
PI52X45J□68U	68	0.46	0.61
PI52X45J□82U	82	0.60	0.58
PI52X45J□100U	100	0.70	0.52
PI52X45J□120U	120	0.93	0.48
PI52X45J□150U	150	1.10	0.40
PI52X45J□180U	180	1.38	0.38
PI52X45J□200U	200	1.43	0.36
PI52X45J□220U	220	1.57	0.35
PI52X45J□330U	330	1.82	0.32
PI52X45J□560U	560	3.10	0.29
PI52X45J□820U	820	5.56	0.27
PI52X45J□1M	1000	5.74	0.26
PI52X45J□1M2	1200	106.0	0.23
PI70X351□1U	1	0.018	1.64
PI70X351□1U5	1.5	0.02	1.60
PI70X351□3U3	3.3	0.025	1.59
PI70X351□4U7	4.7	0.039	1.54
PI70X351□6U8	6.8	0.04	1.49
PI70X351□8U2	8.2	0.08	2.3
PI70X351□10U	10	0.08	1.44
PI70X351□12U	12	0.09	1.39
PI70X351□15U	15	0.1	1.24
PI70X351□18U	18	0.11	1.12
PI70X351□22U	22	0.13	1.07
PI70X351□27U	27	0.15	0.94
PI70X351□33U	33	0.17	0.85
PI70X351□39U	39	0.22	0.74
PI70X351□47U	47	0.25	0.68
PI70X351□56U	56	0.28	0.64
PI70X351□68U	68	0.33	0.59
PI70X351□70U	70	0.35	0.56
PI70X351□80U	80	0.38	0.55
PI70X351□82U	82	0.41	0.54
PI70X351□100U	100	0.48	0.51
PI70X351□120U	120	0.54	0.49
PI70X351□150U	150	0.75	0.40
PI70X351□180U	180	1.02	0.36
PI70X351□220U	220	1.20	0.31
PI70X351□270U	270	1.31	0.29
PI70X351□330U	330	1.50	0.28
PI70X351□560U	560	2.66	0.25
PI70X351□1M	1000	4.76	0.20
PI70X351□5M6	5600	31.2	0.18
PI70X351□10M	10000	55.0	0.05
PI70X351□11M	11000	62.0	0.03
PI70X501□1U	1	0.013	3.4
PI70X501□1U5	1.5	0.016	3.3
PI70X501□1U8	1.8	0.02	3.2

Series PI

ELECTRICAL CHARACTERISTICS

Test Frequency 0.8 μH ~ 8.2 μH @ 100KHz / 0.25V 10 μH ~ 10000 μH @ 1KHz / 0.25V

Part Number	Inductance (μ H)	RDC (Ω) max.	IDC (A) max.
PI70X501□2U2	2.2	0.023	3
PI70X501□3U3	3.3	0.028	2.8
PI70X501□ 4U7	4.7	0.045	2.7
PI70X501□5U6	5.6	0.048	2.65
PI70X501□6U8	6.8	0.058	2.6
PI70X501□8U2	8.2	0.07	2.4
PI70X501□10U	10	0.07	2.3
PI70X501□12U	12	0.08	2
PI70X501□15U	15	0.09	1.8
PI70X501□18U	18	0.1	1.6
PI70X501□22U	22	0.11	1.5
PI70X501□27U	27	0.12	1.3
PI70X501□33U	33	0.13	1.3
PI70X501□39U	39	0.16	1.1
PI70X501□47U	47	0.18	1.1
PI70X501□56U	56	0.24	0.94
PI70X501□68U	68	0.28	0.85
PI70X501□82U	82	0.37	0.78
PI70X501□100U	100	0.43	0.72
PI70X501□120U	120	0.47	0.66
PI70X501□150U	150	0.64	0.58
PI70X501□180U	180	0.71	0.51
PI70X501□220U	220	0.96	0.49
PI70X501□270U	270	1.11	0.42
PI70X501□330U	330	1.26	0.4
PI70X501□390U	390	1.77	0.36
PI70X501□470U	470	1.96	0.34
PI70X501□560U	560	2.28	0.32
PI70X501□680U	680	2.48	0.305
PI70X501□1M	1000	4.2	0.3
PI70X501□5M3	5300	24	0.18
PI70X501□8M2	8200	29	0.04
PI90X40S□1U	1	0.012	8.7
PI90X40S□1U2	1.2	0.014	8
PI90X40S□1U4	1.4	0.016	7.48
PI90X40S□1U5	1.5	0.016	7.48
PI90X40S□1U8	1.8	0.018	6.8
PI90X40S□2U2	2.2	0.02	5.4
PI90X40S□2U7	2.7	0.024	3.2
PI90X40S□3U3	3.3	0.028	2.85
PI90X40S□3U9	3.9	0.03	2.8
PI90X40S□4U7	4.7	0.038	2.75
PI90X40S□5U6	5.6	0.04	2.7
PI90X40S□6U8	6.8	0.042	2.65
PI90X40S□8U2	8.2	0.048	2.6
PI90X40S□10U	10	0.05	2.38
PI90X40S□12U	12	0.06	2.13
PI90X40S□15U	15	0.07	1.87
PI90X40S□18U	18	0.08	1.73
PI90X40S□22U	22	0.09	1.6
PI90X40S□27U	27	0.1	1.44
PI90X40S□33U	33	0.12	1.26
PI90X40S□39U	39	0.15	1.2
PI90X40S□47U	47	0.17	1.1
PI90X40S□56U	56	0.2	1.01
PI90X40S□68U	68	0.22	0.91
PI90X40S□82U	82	0.25	0.85
PI90X40S□100U	100	0.34	0.74
PI90X40S□120U	120	0.4	0.69
PI90X40S□150U	150	0.54	0.61
PI90X40S□180U	180	0.62	0.56
PI90X40S□220U	220	0.72	0.53
PI90X40S□270U	270	0.95	0.45
PI90X40S□330U	330	1.1	0.42
PI90X40S□390U	390	1.24	0.38
PI90X40S□470U	470	1.53	0.35
PI90X40S□560U	560	1.9	0.32
PI90X54I□1U2	1.2	0.009	8.63
PI90X54I□1U5	1.5	0.01	8
PI90X54I□1U6	1.6	0.011	8
PI90X54I□2U2	2.2	0.014	6.8
PI90X54I□3U3	3.3	0.018	3.05
PI90X54I□4U7	4.7	0.02	2.9
PI90X54I□6U8	6.8	0.04	2.75
PI90X54I□8U2	8.2	0.05	2.7
PI90X54I□10U	10	0.06	2.6
PI90X54I□12U	12	0.07	2.45
PI90X54I□15U	15	0.08	2.27
PI90X54I□18U	18	0.09	2.15
PI90X54I□22U	22	0.1	1.95
PI90X54I□27U	27	0.11	1.76
PI90X54I□33U	33	0.12	1.5
PI90X54I□39U	39	0.14	1.37
PI90X54I□47U	47	0.17	1.28
PI90X54I□56U	56	0.19	1.17
PI90X54I□68U	68	0.22	1.11
PI90X54I□82U	82	0.25	1
PI90X54I□100U	100	0.35	0.97
PI90X54I□120U	120	0.4	0.89
PI90X54I□150U	150	0.47	0.78
PI90X54I□180U	180	0.63	0.72
PI90X54I□220U	220	0.73	0.66
PI90X54I□270U	270	0.97	0.57
PI90X54I□330U	330	1.15	0.52
PI90X54I□390U	390	1.3	0.48
PI90X54I□470U	470	1.48	0.42
PI90X54I□560U	560	1.9	0.33
PI90X54I□680U	680	2.25	0.28
PI90X54I□820U	820	2.55	0.24
PI90X54I□8M2	8200	31	0.15

Series PI

ELECTRICAL CHARACTERISTICS

Test Frequency 0.8 μH ~ 8.2 μH @ 100KHz / 0.25V 10 μH ~ 10000 μH @ 1KHz / 0.25V

Part Number	Inductance (μ H)	RDC (Ω) max.	IDC (A) max.
PI90X75I□1U	1	0.02	3.58
PI90X75I□1U8	1.8	0.025	3.57
PI90X75I□-3U3	3.3	0.03	3.56
PI90X75I□3U9	3.9	0.035	3.55
PI90X75I□4U7	4.7	0.04	3.54
PI90X75I□5U6	5.6	0.045	3.53
PI90X75I□6U8	6.8	0.05	3.52
PI90X75I□8U2	8.2	0.055	3.51
PI90X75I□10U	10	0.06	3.5
PI90X75I□12U	12	0.07	3.4
PI90X75I□15U	15	0.08	3.1
PI90X75I□18U	18	0.09	3
PI90X75I□22U	22	0.1	2.6
PI90X75I□27U	27	0.11	2.4
PI90X75I□33U	33	0.12	2.3
PI90X75I□39U	39	0.14	2.1
PI90X75I□47U	47	0.17	1.95
PI90X75I□56U	56	0.19	1.85
PI90X75I□68U	68	0.22	1.65
PI90X75I□82U	82	0.25	1.5
PI90X75I□100U	100	0.35	1.4
PI90X75I□120U	120	0.4	1.3
PI90X75I□150U	150	0.47	1.2
PI90X75I□180U	180	0.63	1
PI90X75I□220U	220	0.73	0.95
PI90X75I□270U	270	0.97	0.9
PI90X75I□330U	330	1.15	0.8
PI90X75I□390U	390	1.3	0.75
PI90X75I□470U	470	1.48	0.65
PI90X75I□560U	560	1.9	0.6
PI90X75I□680U	680	2.25	0.5
PI90X75I□820U	820	2.55	0.48
PI90X75I□1M	1000	3	0.46
PI90X75I□1M2	1200	3.5	0.35
PI90X75I□15M	15000	41	0.12

Part Number	Inductance (μ H)	RDC (Ω) max.	IDC (A) max.
PI90X85I□1U	1	0.019	3.65
PI90X85I□1U4	1.4	0.021	3.62
PI90X85I□1U8	1.8	0.023	3.6
PI90X85I□2U2	2.2	0.027	3.59
PI90X85I□2U7	2.7	0.028	3.58
PI90X85I□3U3	3.3	0.029	3.57
PI90X85I□3U9	3.9	0.031	3.56
PI90X85I□4U7	4.7	0.033	3.55
PI90X85I□5U6	5.6	0.035	3.54
PI90X85I□6U8	6.8	0.037	3.53
PI90X85I□8U2	8.2	0.039	3.52
PI90X85I□10U	10	0.041	3.51
PI90X85I□12U	12	0.043	3.45
PI90X85I□15U	15	0.053	3.4
PI90X85I□18U	18	0.057	3.35
PI90X85I□22U	22	0.063	3.3
PI90X85I□27U	27	0.073	2.5
PI90X85I□33U	33	0.093	2.4
PI90X85I□39U	39	0.13	2.3
PI90X85I□47U	47	0.15	2.1
PI90X85I□56U	56	0.17	1.9
PI90X85I□68U	68	0.19	1.7
PI90X85I□82U	82	0.21	1.6
PI90X85I□100U	100	0.23	1.45
PI90X85I□120U	120	0.31	1.32
PI90X85I□150U	150	0.35	1.22
PI90X85I□180U	180	0.41	1.02
PI90X85I□220U	220	0.49	0.97
PI90X85I□270U	270	0.55	0.92
PI90X85I□330U	330	0.67	0.82
PI90X85I□390U	390	0.77	0.76
PI90X85I□470U	470	0.89	0.66
PI90X85I□560U	560	1.11	0.61
PI90X85I□680U	680	1.35	0.52
PI90X85I□820U	820	1.67	0.49
PI90X85I□1M	1000	2	0.47
PI90X85I□1M2	1200	2.37	0.36
PI90X85I□1M5	1500	2.67	0.34
PI90X85I□1M8	1800	3.29	0.32
PI90X85I□2M2	2200	4.3	0.3
PI90X85I□2M7	2700	5.3	0.26
PI90X85I□3M3	3300	6.5	0.24
PI90X85I□3M9	3900	9	0.22