Gausstek Corp.

SMD POWER INDUCTORS

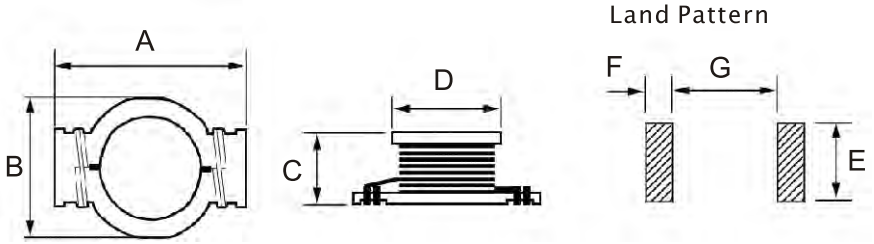
Series PW

PRODUCT IDENTIFICATION

PW 06 P 05 1 M 10U
a b c d e f g

a : Type of Products - SMD Power Inductors PW series
b : Dimension(mm) - 06 : 8.89X6.4, 10:13.21X9.91, 16:16.26X22.35
c : Materials - Base on Plastics
d : Thickness(mm) - 05 = 5.0, 06 = 6.35, 08 = 8.0
e : Packing - PCS/REEL - 1 = 1000, D = 250, R = 750
f : Tolerance - K : ±10% M : ±20%
g : Inductance - 100N = 0.1 μH, 10U = 10.0 μH, 1M2 = 1200 μH

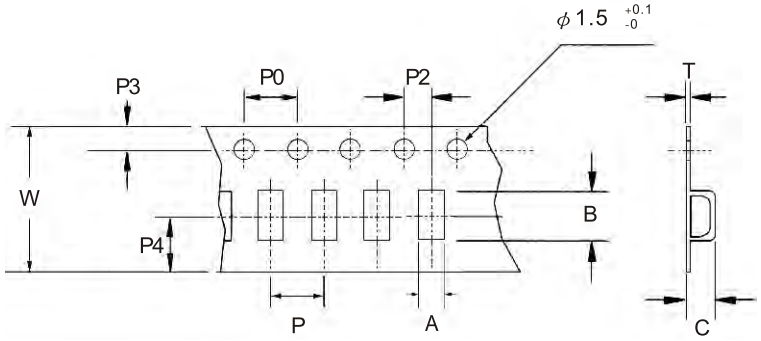
SHAPES & DIMENSIONS



Unit : mm

Type	A (max.)	B (max.)	C (max.)	D±0.3	E	F	G
PW06P05	8.89	6.40	5.00	4.80	4.06	1.91	5.08
PW10X06	13.21	9.91	6.35	8.38	4.06	1.52	8.64
PW16X08	22.35	16.26	8.00	12.70	8.64	3.18	14.35

TAPE DIMENSIONS



Unit : mm

Type	Alias	A	B	C	W	P	P0	P2	P3	P4	T	Q'ty/Reel 13" Reel
PW06P05	0503	9.1±0.1	6.5±0.1	5.4±0.05	16±0.2	8.0±0.1	4.0±0.1	2.0±0.1	1.75±0.1	x	0.3±0.02	1000
PW10X06	0804	9.55±0.1	13.1±0.1	5.4±0.05	24.3±0.2	12.0±0.1	4.0±0.1	2.0±0.1	1.75±0.1	x	0.35±0.02	750
PW16X08	1306	22.6±0.1	16.5±0.1	8.3±0.05	44.0±0.2	24.0±0.1	4.0±0.1	2.0±0.1	1.75±0.1	x	0.4±0.02	250

Series PW
ELECTRICAL CHARACTERISTICS

Part Number	Inductance (μ H)	Test Frequency for L	SRF (MHz) min.	RDC (Ω) max.	Isat (A) max.	Irms (A) max.
PW06P051□560N	0.56	100	200	0.010	7.70	6.00
PW06P051□1U2	1.2		140	0.017	5.30	4.40
PW06P051□2U2	2.2		100	0.035	3.50	3.10
PW06P051□4U7	4.7		50	0.054	2.60	2.20
PW06P051□10U	10		40	0.111	1.90	1.50
PW06P051□15U	15		30	0.170	1.50	1.20
PW06P051□22U	22		25	0.250	1.20	1.00
PW06P051□33U	33		20	0.370	0.99	0.82
PW06P051□47U	47		15	0.470	0.87	0.72
PW10X06R□330N	0.33	100	300	0.002	20.00	16.00
PW10X06R□680N	0.68		200	0.005	13.00	12.00
PW10X06R□1U	1		100	0.006	11.00	10.00
PW10X06R□1U5	1.5		90	0.008	9.00	9.00
PW10X06R□2U2	2.2		90	0.011	7.80	7.40
PW10X06R□2U7	2.7		65	0.012	7.00	6.60
PW10X06R□3U3	3.3		65	0.014	6.40	5.90
PW10X06R□4U7	4.7		45	0.016	5.40	4.80
PW10X06R□5U6	5.6		40	0.022	5.00	4.60
PW10X06R□6U8	6.8		35	0.027	4.60	4.40
PW10X06R□8U2	8.2		28	0.032	4.00	4.00
PW10X06R□10U	10		26	0.040	3.80	3.90
PW10X06R□15U	15		21	0.060	2.40	3.50
PW10X06R□22U	22		17	0.080	2.00	2.80
PW10X06R□33U	33		14	0.150	1.70	2.10
PW10X06R□47U	47		12	0.280	1.40	1.70
PW10X06R□68U	68		9	0.300	1.20	1.50
PW10X06R□100U	100		7	0.400	0.95	1.20
PW16X08D□780N	0.78	100	156	0.0260	30.00	15
PW16X08D□1U5	1.5		100	0.0040	25.00	15
PW16X08D□2U2	2.2		75	0.0061	20.00	12
PW16X08D□3U3	3.3		60	0.0086	17.00	10
PW16X08D□3U9	3.9		55	0.0100	15.00	9
PW16X08D□4U7	4.7		40	0.0140	13.00	8.4
PW16X08D□6U8	6.8		35	0.0170	12.00	7.5
PW16X08D□7U8	7.8		35	10.0180	11.00	7.5
PW16X08D□10U	10		28	0.0260	10.00	6
PW16X08D□15U	15		20	0.0320	8.00	4.4

Inductance tested at 100KHz, 0.25 Vrms.
SRF measured using HP8753D network analyzer.
SRF is for referance only
△T = 40°C at Irms.
Electronical specifications at 25°C