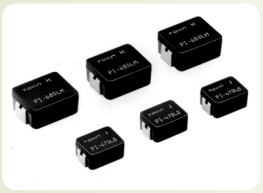
Leadless Power Inductors P・I Series

〈Applicable for Automotives〉

[RoHS Compliant]



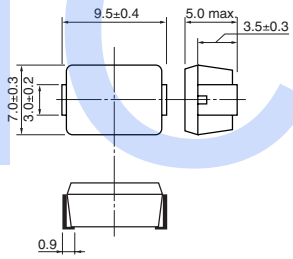
• Precautions (see page 93)

Type	Model	Inductance (μH) at 100kHz	DC resistance (Ω) max.	Rated current (A)
Choke coil (12×10×6)	**P•I-680LM**	68±25%	0.45	0.8
	P•I-330LM	33±25%	0.30	1.0
	P•I-180LM	18±25%	0.15	1.7
Choke coil (9×7×5)	**P•I-470LS**	47±25%	0.46	0.7
	P•I-220LS	22±25%	0.30	0.9
	P•I-120LS	12±25%	0.20	1.0
Noise suppressor (12×10×6)	**P•I-121ZM**	120±25%	0.48	0.8
	P•I-560ZM	56±25%	0.35	1.0
	P•I-270ZM	27±25%	0.15	1.7
Noise suppressor (9×7×5)	**P•I-820ZS**	82±25%	0.48	0.6
	P•I-390ZS	39±25%	0.31	0.8
	P•I-180ZS	18±25%	0.20	1.0
	P•I-100ZS	10±25%	0.12	1.5
	P•I-4R7ZS	4.7±30%	0.08	2.0

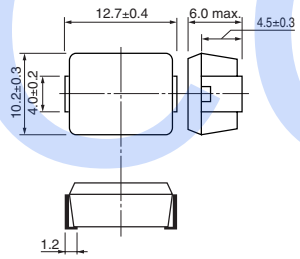
●Operating temperature range: −40 to +120℃ (Including self-temperature rise)

Shape and Dimensions

●S type

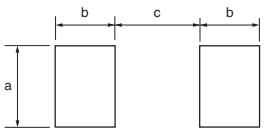


●M type



[mm]

Rcecommended Land Pattern



Type	a	b	c
S	5.0	5.0	6.0
M	6.0	5.0	9.0

[mm]

Numbering System

P・I - ○○○ ○ ○ △△
① ② ③ ④ ⑤

① Series
② Inductance 120:12μH, 121:120μH, 4R7:4.7μH
③ Type L : Choke Coils, Z : Noise suppressor
④ Dimensions
⑤ NEC TOKIN control number

⚠

●All specifications in this catalog and production status of products are subject to change without notice. Prior to the purchase, please contact NEC Tokin for updated product data.
●Please request for a specification sheet for detailed product data prior to the purchase.
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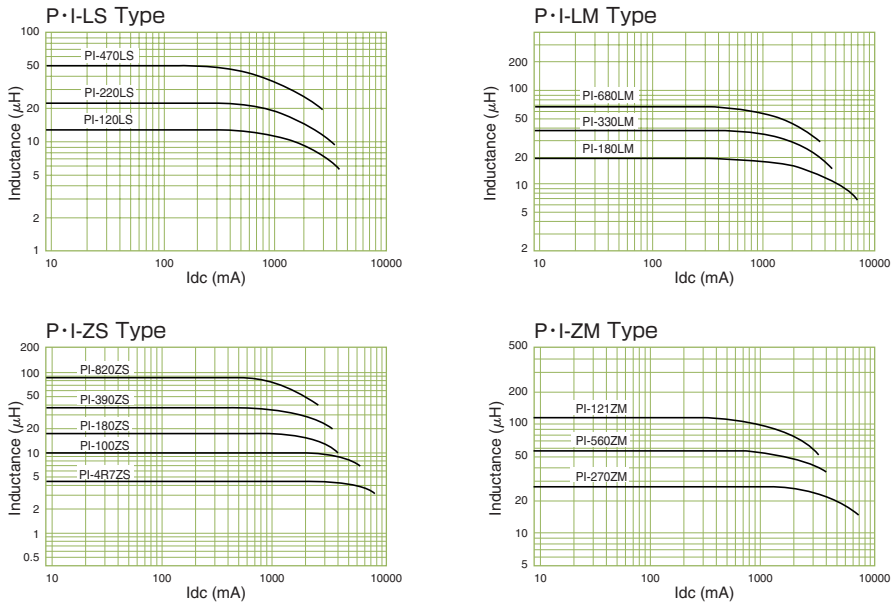
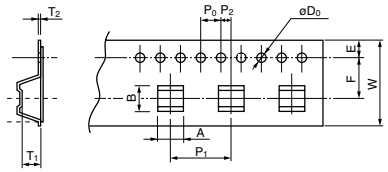
DC-Superposed Characteristics



P•I-S Series (1000pcs./reel)

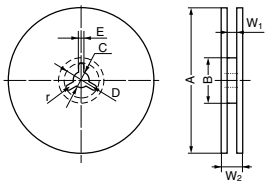
Dimensions of indented square hole plastic tape



[mm]

A	B	W	F	E	P_1	P_2	P_0	$øD_0$	T_1	T_2
±0.2	±0.1	±0.3	±0.1	±0.1	±0.1	±0.1	±0.1	±0.05	±0.1	±0.05
8.2	10.05	16	7.5	1.75	12	2.0	4.0	1.55	4.7	0.38

Reel dimensions



[mm]

A	B	C	D	E	r	W_1	W_2
±2.0	±5.0	±0.5	±0.8	±0.5			
330	80	13	21	2.0	R1.0	16	25

⚠

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