

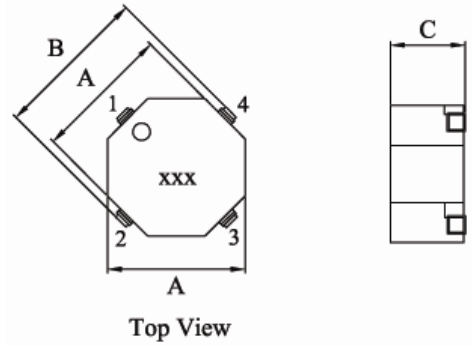
# ITX Series

SMD Toroidal Power Inductors – ITX2P、ITX4P

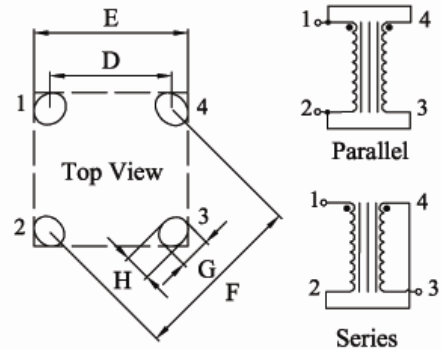
**TRIGON**  
COMPONENTS



## Configurations:



Land Pattern



## FEATURES

- Maximum power density.
- Closed magnetic circuit for lowest EMI.
- With powdered iron cores and low cost.

## APPLICATION

- Power Supply applications, Output ripple current filter, etc.

## ORDERING CODE

ITX 2P - 100 T  
(1) (2) (3) (4)

(1) SMD Toroidal Power Inductors

ITX-

(2) Circuit Type  
S: Series  
P: Parallel

(3) Inductance

(4) Package

## Dimension (mm)

ITEM	A ±0.5	B ±0.5	C (max)	D	E	F	G	H
ITX2P	9.0	11.6	5.96	7.04	10.72	9.96	3.68	3.05
ITX4P	11.40	14.40	7.00	8.84	12.50	12.50	4.06	3.05

※Design as Customer's Requested Specifications.

## Inductance Range

Item	μH
ITX2P	0.54 ~ 300.42 (wired in Parallel)
	2.18 ~ 1201.70 (wired in Series)
ITX4P-	0.49 ~ 298.93 (wired in Parallel)
	1.95 ~ 1195.72 (wired in Series)

Inductor

# ITX Series

## SMD Toroidal Power Inductors – ITX2P

**TRIGON**  
COMPONENTS

Electrical Characteristics for ITX2P Series

Part Number	Parallel				Series			
	Inductance (L) (μH) ±20%	Inductance @ IDC (L) (μH) (min)	DCR (Ω) (max)	IDC (A) (max)	Inductance (L) (μH) ±20%	Inductance @ IDC (L) (μH) (min)	DCR (Ω) (max)	IDC (A) (max)
ITX2P-R47	0.54	0.42	0.006	5.90	2.18	1.69	0.024	2.95
ITX2P-R68	0.85	0.64	0.008	5.40	3.40	2.55	0.029	2.70
ITX2P-001	1.22	0.89	0.009	5.00	4.90	3.57	0.034	2.50
ITX2P-002	2.18	1.56	0.014	3.90	8.70	6.26	0.056	1.95
ITX2P-005	4.90	3.57	0.032	2.50	19.58	14.26	0.128	1.25
ITX2P-008	7.65	5.31	0.040	2.30	30.60	21.23	0.159	1.15
ITX2P-010	9.83	6.73	0.045	2.10	39.30	26.92	0.179	1.05
ITX2P-015	14.99	10.51	0.085	1.60	59.98	42.02	0.339	0.80
ITX2P-020	19.58	13.37	0.097	1.50	78.34	53.48	0.387	0.75
ITX2P-025	24.79	16.60	0.109	1.40	99.14	66.38	0.436	0.70
ITX2P-033	32.67	21.29	0.126	1.30	130.70	85.17	0.503	0.65
ITX2P-050	49.10	35.31	0.306	0.82	196.38	141.24	1.221	0.41
ITX2P-068	68.85	47.93	0.362	0.76	275.40	191.71	1.447	0.38
ITX2P-100	99.14	69.56	0.541	0.62	396.58	278.22	2.162	0.31
ITX2P-150	148.10	100.07	0.666	0.56	592.42	400.27	2.661	0.28
ITX2P-200	201.59	138.49	0.951	0.46	806.34	553.97	3.804	0.23
ITX2P-300	300.42	197.52	1.176	0.42	1201.70	790.08	4.703	0.21

※Test Freq. : 1KHz / 0.25V.

※Operating Temp.: -40°C ~ +85°C

# ITX Series

## SMD Toroidal Power Inductors – ITX4P

**TRIGON**  
COMPONENTS

### Electrical Characteristics for ITX4P Series

Part Number	Parallel				Series			
	Inductance (L) ( $\mu$ H) $\pm 20\%$	Inductance @ IDC (L) ( $\mu$ H) (min)	DCR ( $\Omega$ ) (max)	IDC (A) (max)	Inductance (L) ( $\mu$ H) $\pm 20\%$	Inductance @ IDC (L) ( $\mu$ H) (min)	DCR ( $\Omega$ ) (max)	IDC (A) (max)
ITX4P-R47	0.49	0.37	0.005	7.90	1.95	1.49	0.019	3.95
ITX4P-R68	0.76	0.56	0.006	7.20	3.05	2.24	0.023	3.60
ITX4P-001	1.10	0.81	0.009	5.90	4.39	3.24	0.034	2.95
ITX4P-002	1.95	1.42	0.014	4.60	7.81	5.69	0.055	2.30
ITX4P-005	5.15	3.56	0.027	3.30	20.62	14.23	0.107	1.65
ITX4P-008	7.81	5.15	0.033	3.00	31.23	20.61	0.131	1.50
ITX4P-010	9.88	6.70	0.047	2.50	39.53	26.79	0.187	1.25
ITX4P-015	14.76	9.52	0.057	2.30	59.05	38.09	0.228	1.15
ITX4P-020	20.62	13.44	0.085	1.90	82.47	53.76	0.337	0.95
ITX4P-025	25.65	17.17	0.116	1.60	102.60	68.68	0.462	0.80
ITX4P-033	33.21	22.93	0.166	1.30	132.86	91.72	0.663	0.65
ITX4P-050	48.80	32.21	0.202	1.20	195.20	128.83	0.805	0.60
ITX4P-068	67.37	43.04	0.238	1.10	269.50	172.16	0.952	0.55
ITX4P-100	99.09	69.54	0.565	0.72	396.38	278.15	2.259	0.36
ITX4P-150	149.45	101.46	0.696	0.64	597.80	405.83	2.784	0.32
ITX4P-200	200.11	131.37	0.810	0.60	800.44	525.47	3.240	0.30
ITX4P-300	298.93	188.03	1.003	0.54	1195.72	752.13	4.011	0.27

※Test Freq. : 1KHz / 0.25V.

※Operating Temp. : -40°C ~ +85°C