

# SMT Toroidal Power Inductors

## GSTX-2P / GSTX-4P

### Features (特長)

- Closed magnetic circuit for lowest EMI (閉合磁性電路防干擾對策)
- Maximum Power density (最大功率密度)
- With Powdered Iron cores & Low cost (設計為鐵粉芯及低價格)

### Applications (用途)

- Power Supply applications. (電源供應器)
- Output Ripple Current Filter (訊號濾波應用)
- VGA Card (電腦顯示卡)



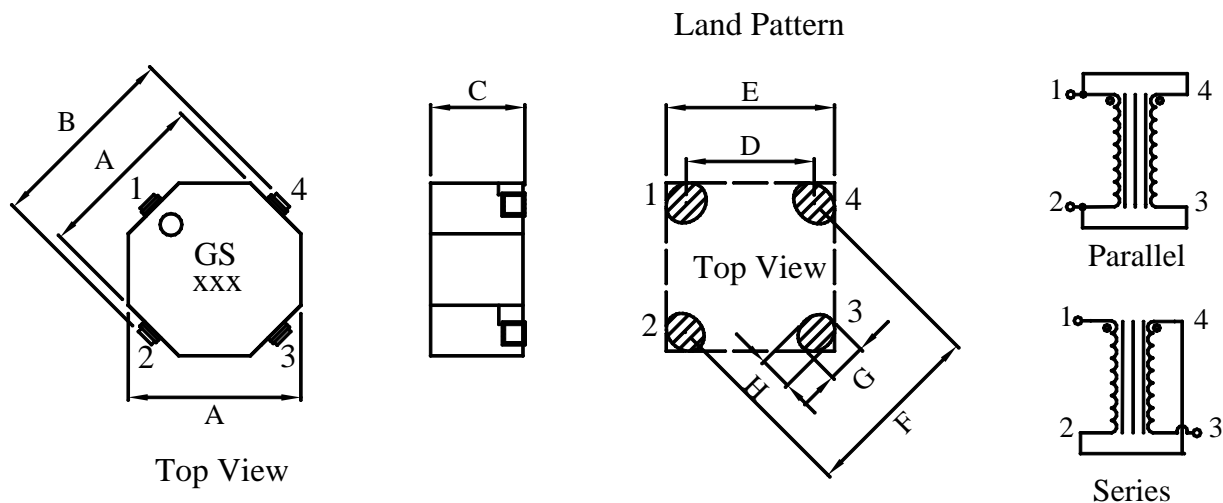
### Product Identification (產品識別)

GSTX \_\_\_\_\_ - \_\_\_\_\_ (Ex. GSTX0.47-2P)

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1. SMD Toroidal Power Inductors (環型功率電感)
2. Inductance (電感值)
3. Case Type (外殼型式)

### Configurations & Dimensions (結構圖及規格尺寸)



Unit In mm

Type (型式)	A	B	C (max)	D	E	F	G	H
GSTX-2P	±0.5 9.00	±0.5 11.60	5.96	7.04	10.72	9.96	3.68	3.05
GSTX-4P	11.40	14.40	7.00	8.84	12.50	12.50	4.06	3.05

♣ Design as Customer's Requested Specifications. (可依客戶特殊需求設計)

# SMD Toroidal Power Inductors

## GSTX-2P

Electrical Characteristics for GSTX-2P Series [GSTX-2P 系列電子特性規格]

Part Number 產品料號	Parallel (並聯式)				Series (串聯式)			
	L (μH) ±20% 電感值	L @ IDC (μH) (min) 電感值	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流	L (μH) ±20% 電感值	L @ IDC (μH) (min) 電感值	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
GSTX0.47 - 2P	0.54	0.42	0.006	5.90	2.18	1.69	0.024	2.95
GSTX0.68 - 2P	0.85	0.64	0.008	5.40	3.40	2.55	0.029	2.70
GSTX1 - 2P	1.22	0.89	0.009	5.00	4.90	3.57	0.034	2.50
GSTX2 - 2P	2.18	1.56	0.014	3.90	8.70	6.26	0.056	1.95
GSTX5 - 2P	4.90	3.57	0.032	2.50	19.58	14.26	0.128	1.25
GSTX8 - 2P	7.65	5.31	0.040	2.30	30.60	21.23	0.159	1.15
GSTX10 - 2P	9.83	6.73	0.045	2.10	39.30	26.92	0.179	1.05
GSTX15 - 2P	14.99	10.51	0.085	1.60	59.98	42.02	0.339	0.80
GSTX20 - 2P	19.58	13.37	0.097	1.50	78.34	53.48	0.387	0.75
GSTX25 - 2P	24.79	16.60	0.109	1.40	99.14	66.38	0.436	0.70
GSTX33 - 2P	32.67	21.29	0.126	1.30	130.70	85.17	0.503	0.65
GSTX50 - 2P	49.10	35.31	0.306	0.82	196.38	141.24	1.221	0.41
GSTX68 - 2P	68.85	47.93	0.362	0.76	275.40	191.71	1.447	0.38
GSTX100 - 2P	99.14	69.56	0.541	0.62	396.58	278.22	2.162	0.31
GSTX150 - 2P	148.10	100.07	0.666	0.56	592.42	400.27	2.661	0.28
GSTX200 - 2P	201.59	138.49	0.951	0.46	806.34	553.97	3.804	0.23
GSTX300 - 2P	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 ~ +125°C

※Storage Temperature&Humidity : ≤ 40°C & 70% RH maximum

# SMD Toroidal Power Inductors

## GSTX-4P

Electrical Characteristics for GSTX-4P Series [GSTX-4P 系列電子特性規格]

Part Number 產品料號	Parallel (並聯式)				Series (串聯式)			
	L (μH) ±20% 電感值	L @ IDC (μH) (min) 電感值	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流	L (μH) ±20% 電感值	L @ IDC (μH) (min) 電感值	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
GSTX0.47 - 4P	0.49	0.37	0.005	7.90	1.95	1.49	0.019	3.95
GSTX0.68 - 4P	0.76	0.56	0.006	7.20	3.05	2.24	0.023	3.60
GSTX1 - 4P	1.10	0.81	0.009	5.90	4.39	3.24	0.034	2.95
GSTX2 - 4P	1.95	1.42	0.014	4.60	7.81	5.69	0.055	2.30
GSTX5 - 4P	5.15	3.56	0.027	3.30	20.62	14.23	0.107	1.65
GSTX8 - 4P	7.81	5.15	0.033	3.00	31.23	20.61	0.131	1.50
GSTX10 - 4P	9.88	6.70	0.047	2.50	39.53	26.79	0.187	1.25
GSTX15 - 4P	14.76	9.52	0.057	2.30	59.05	38.09	0.228	1.15
GSTX20 - 4P	20.62	13.44	0.085	1.90	82.47	53.76	0.337	0.95
GSTX25 - 4P	25.65	17.17	0.116	1.60	102.60	68.68	0.462	0.80
GSTX33 - 4P	33.21	22.93	0.166	1.30	132.86	91.72	0.663	0.65
GSTX50 - 4P	48.80	32.21	0.202	1.20	195.20	128.83	0.805	0.60
GSTX68 - 4P	67.37	43.04	0.238	1.10	269.50	172.16	0.952	0.55
GSTX100 - 4P	99.09	69.54	0.565	0.72	396.38	278.15	2.259	0.36
GSTX150 - 4P	149.45	101.46	0.696	0.64	597.80	405.83	2.784	0.32
GSTX200 - 4P	200.11	131.37	0.810	0.60	800.44	525.47	3.240	0.30
GSTX300 - 4P	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 ~ +125°C

※Storage Temperature&Humidity : ≤ 40°C & 70% RH maximum