

Surface Mount Toroidal Iron High Current Power Inductors

Surface Mount Toroidal Iron High Current Power Inductors SDT Series (表面接著型環形鐵粉芯大電流功率電感-----SDT 系列)



Features(特徵):

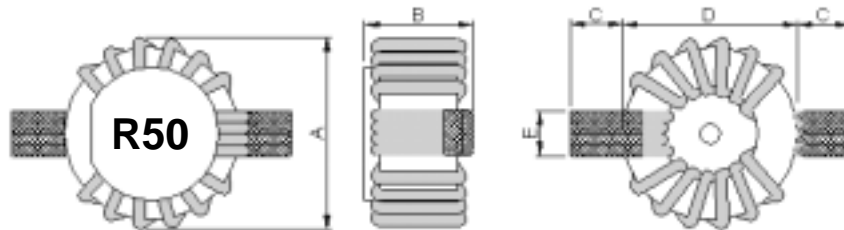
1. S.M.T. type.(表面黏著類型。)
2. Useful for application requiring inductance to vary with current load changes.(適合感值需隨電流變化之應用。)
3. Self electromagnetic shielding.(自我的磁遮蔽。)
4. Useful wide variety of power conversion and line filter application.(廣泛應用於各種功率轉換及線性濾波。)
5. Wound on iron power material triodes.(採用功率型鐵粉芯鐵芯材料繞制。)
6. High current, Low resistance, current up to 45 Amps.(大電流低阻抗，電流可達 45 安培。)

Applications(應用):

Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.

適合於硬式磁碟機、筆記型電腦和其他電子設備中電源線路上直流對直流整流的應用。

Shape & Dimensions(外觀尺寸):



Series	Iron Core Dimension			Dimension (Ref.)				
	OD (mm)	ID (mm)	Ht (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
SDT3713	9.53	5.21	3.25	13.5 Max	6.35 Max	2.54±0.30	9.53 Ref	2.54 Max
SDT4416	11.20	5.82	4.04	16.0 Max	7.00 Max	2.54±0.30	11.20 Ref	2.54 Max
SDT5019	12.70	7.70	4.83	18.0 Max	8.00 Max	2.54±0.30	12.70 Ref	3.00 Max
SDT5025	12.70	7.70	6.35	18.0 Max	9.50 Max	2.54±0.30	12.70 Ref	3.00 Max

Specification(規格):

Part No.	Inductance (μH)	Test Frequency	DC Resistance (mΩ) Max	Rated Current (A) Max	Core Material
SDT3713-1R0M	1.00±20%	100.0KHz/0.1V	2.5	15.0	52
SDT3713-R47M	0.47±20%	100.0KHz/0.1V	2.0	20.0	18
SDT4416-R56M	0.56±30%	100.0KHz/0.1V	1.5	25.0	52
SDT4416-R92M	0.92±30%	100.0KHz/0.1V	3.0	15.0	53
SDT5019-1R2M	1.20±30%	100.0KHz/0.1V	4.5	25.0	18
SDT5019-R82M	0.82±30%	100.0KHz/0.1V	6.8	20.0	52
SDT5025-1R2M	1.20±20%	100.0KHz/0.1V	2.0	30.0	18

Note(注解):

1, Test Equipment:

Inductance: HP4284A LCR Meter.

DC Resistance: HP4338B Milliohms Meter.

DC Bias: WK3265B+WK3260B.

2, We can provide available in various sizes and material.