

Delta Part No . : SDES064T type

Part Name : Sealed Choke

Sealed Choke Coil SDES064T type

■ Features

Low profile : 6.0mm x 6.0mm x 4.0mm

Low coil resistance with large currents.

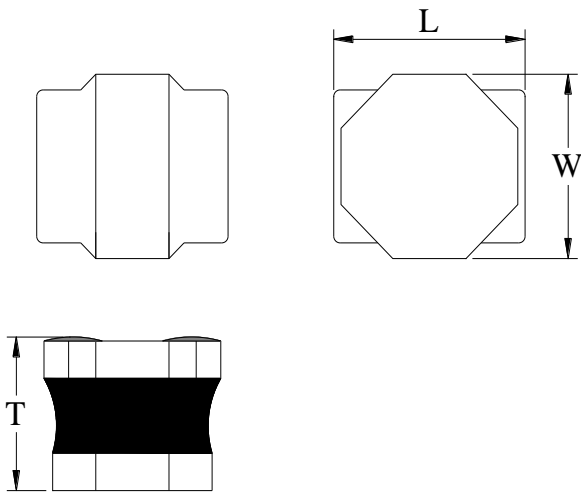
High magnetic shield construction should actualize high resolution for EMC protection.

100% lead (Pb) free meet RoHS standard

■ Application

Cellular PSones, LCD displays, HDDs, DVCs, DSCs, PDAs etc..

■ Outline Dimensions



Code	Dimensions (mm)
L	6.0 ± 0.2
W	6.0 ± 0.2
T	4.0 max.

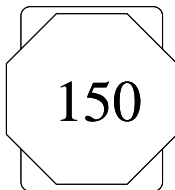
Note: This graph is in regard to outline dimensions spec. For outer appearance, please refer to actual product.

■ Marking

The inductor is marked with a 3-digit code

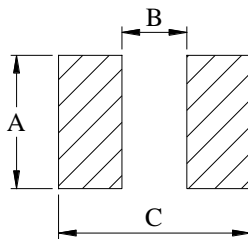
Example -- 15.0 μ H → 150

Upside of Chip



■ Recommend Land Pattern Dimensions

The customer shall determine the land dimensions shown below after confirming and safety.



A	4.5
B	2.2
C	6.5

Unit : mm

■ Specifications

Part Number	L0 Inductance (μ H) @ (0A)	R _{dc} (m Ω)		Heat Rating Current DC Amps. Idc (A)		Saturation Current DC Amps. Isat (A)	
		Typical	Maximum.	Typical	Maximum.	Typical	Maximum
SDES064T-6R8MS	6.8	31.0	39.0	4.20	3.60	4.10	3.70
SDES064T-100MS	10.0	39.0	49.0	3.40	3.10	3.40	3.10
SDES064T-150MS	15.0	69.0	87.0	2.50	2.30	2.60	2.34
SDES064T-220MS	22.0	95.0	120.0	2.20	2.00	2.20	2.00
SDES064T-330MS	33.0	136.0	171.0	2.00	1.80	1.70	1.50
SDES064T-470MS	47.0	193.0	232.0	1.60	1.45	1.40	1.20
SDES064T-101MS	100.0	420.0	530.0	1.05	0.95	1.00	0.95
SDES064T-121MS	120.0	480.0	540.0	0.90	0.81	0.92	0.82

* : If you require another part number please contact with us.

** : Inductance Tolerance : \pm 20%

Note 1. : All test data is referenced to 25°C ambient.

Note 2. : Test Condition:100KHz, 1.0Vrms

Note 3. : Idc : DC current (A) that will cause an approximate Δ T of 40°C

Note 4. : Isat : DC current (A) that will cause L0 to drop approximately 30%

Note 5. : Operating Temperature Range -40°C to + 125°C

Note 6. : The part temperature (ambient + temp rise) should not exceed 125°C under the worst case operating conditions. Circuit design , component placement, PCB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified in the end application.

Note 7. : The rated current as listed is either the saturation current or the heating current depending on which value is lower.

Current Characteristic

