

Delta Part No . : SDES064E type

Part Name : Sealed Choke

Sealed Choke Coil SDES064E type

■ Features

Low profile : 6.0mm x 6.0mm x 4.5mm

Low coil resistance with large currents.

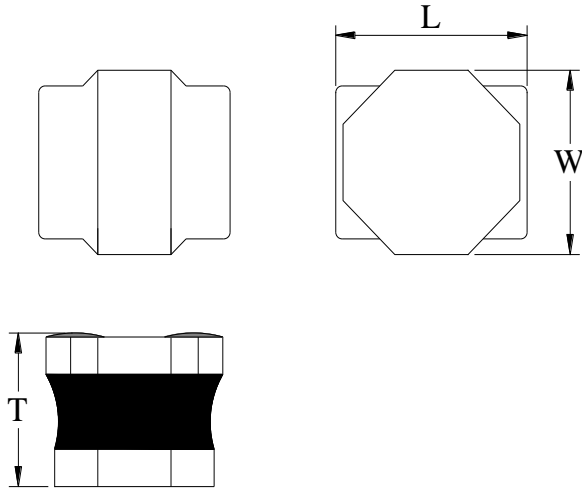
High magnetic shield construction should actualize high resolution for EMC protection.

100% lead (Pb) free meet RoHS standard

■ Application

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

■ Outline Dimensions



Code	Dimensions
L	6.0 ± 0.2
W	6.0 ± 0.2
T	4.5 max.

Unit : mm

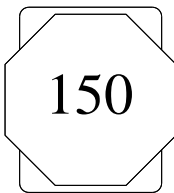
Note : This graph is in regard to outline dimensions spec. For outer appearance, please refer to actual product.

■ Marking

The inductor is marked with a 3-digit code

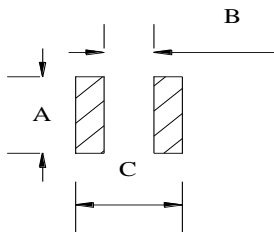
Example -- $15\mu\text{H}$ → 150

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 (μH) @ (0A)	R_{dc} ($m\Omega$)		Heat Rating Current DC Amps. Idc (A)		Saturation Current DC Amps. Isat (A)	
		Typical	Max.	Typical	Max.	Typical	Max.
SDES064E-6R8MS	6.8	31.0	37.5	3.60	3.25	3.90	3.50
SDES064E-100MS	10.0	38.0	47.0	3.50	3.15	3.40	3.10
SDES064E-150MS	15.0	70.0	87.0	2.30	2.00	2.50	2.30
SDES064E-220MS	22.0	87.0	105.0	2.15	1.90	2.10	1.90
SDES064E-330MS	33.0	133.0	160.0	1.70	1.53	1.70	1.53
SDES064E-101MS	100.0	408.0	510.0	1.05	0.95	1.05	0.95

* : 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 ΔT 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

