

ISDU Series

SMT Unshielded Power Inductor – ISDU4006, ISDU4008

TRIGON
COMPONENTS



FEATURES

- Open Magnetic circuit construction.
- Low Profile

APPLICATION

- LCD Driver, Cellular Phone, Small DC/DC converter, Transformers, etc.

ORDERING CODE

ISDU4006 M 100 T
(1) (2) (3) (4)

(1) SMT Unshielded Power Inductors.

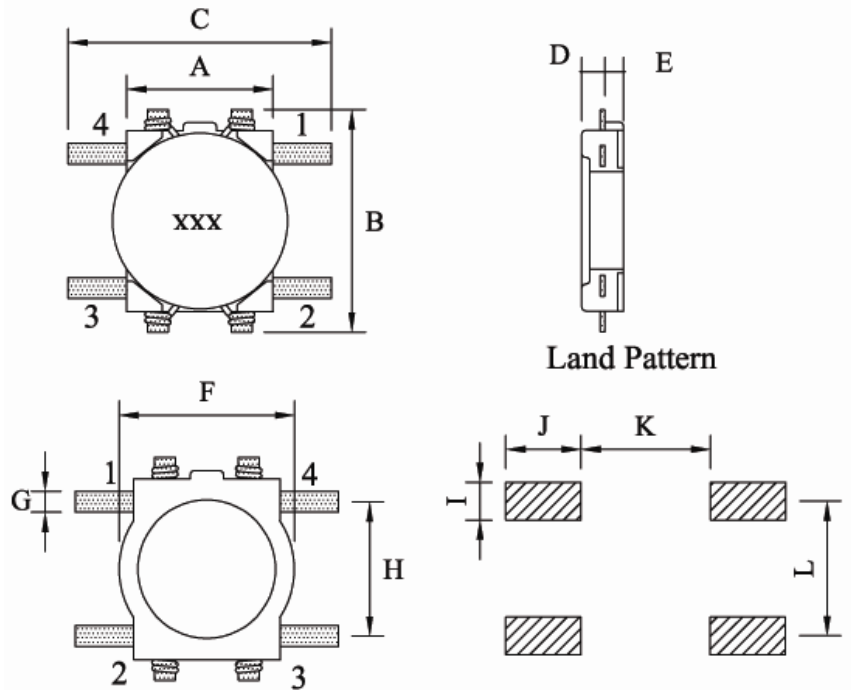
ISDU4006, ISDU4008

(2) Tolerance: M: 20%, N: 30%.

(3) Inductance.

(4) Package

Configurations:



Inductor

Dimension (mm)

ITEM	A	B (max)	C (max)	D (max)	E	F	G	H	I	J	K	L
ISDU 4006	3.5	5.8	6.3	0.8	0.4	4.1	0.5	3.2	0.9	1.5	4.0	3.2
ISDU 4008	3.5	5.8	6.3	1.0	0.4	4.1	0.5	3.2	0.9	1.5	4.0	3.2

※Design as Customer's Requested Specifications.

Inductance Ranges:

Item	μ H
ISDU4006	2.20 ~47.00
ISDU4008	3.30 ~ 100.00

ISDU Series

SMT Unshielded Power Inductor – ISDU4006, ISDU4008

TRIGON
COMPONENTS

Electrical Characteristics for ISDU4006 Series

Part Number	Inductance (μH)	Test Freq. (KHz)	DCR (Ω) (max)	IDC (A) (max)
ISDU4006M2R2	2.20	100	0.116	0.95
ISDU4006M3R3	3.30	100	0.174	0.77
ISDU4006M4R7	4.70	100	0.216	0.75
ISDU4006M6R8	6.80	100	0.296	0.62
ISDU4006M100	10.00	100	0.457	0.50
ISDU4006M150	15.00	100	0.676	0.40
ISDU4006M220	22.00	100	1.066	0.30
ISDU4006M330	33.00	100	1.647	0.24
ISDU4006M470	47.00	100	2.843	0.18

※Test Freq. : 100KHz / 0.1V.

※Operating Temp. : -40 ~ +85

※Inductance drop=10% typ. at IDC.

Electrical Characteristics for ISDU4008 Series

Part Number	Inductance (μH)	Test Freq. (KHz)	DCR (Ω) (max)	IDC (A) (max)
ISDU4008M3R3	3.30	100	0.160	0.85
ISDU4008M4R7	4.70	100	0.194	0.80
ISDU4008M6R8	6.80	100	0.276	0.65
ISDU4008M100	10.00	100	0.335	0.57
ISDU4008M150	15.00	100	0.508	0.45
ISDU4008M220	22.00	100	0.766	0.37
ISDU4008M330	33.00	100	1.162	0.28
ISDU4008M470	47.00	100	1.658	0.22
ISDU4008M680	68.00	100	2.534	0.18
ISDU4008M101	100.00	100	3.304	0.17

※Test Freq. : 100KHz / 0.1V.

※Operating Temp. : -40 ~ +85

※Inductance drop=10% typ. at IDC.