

ISTU Series

SMD Toroidal Power Inductors – ISTU0718

TRIGON
COMPONENTS



FEATURES

- Closed magnetic circuit for lowest EMI.
- Compact and thin.
- Large current and low DCR.

APPLICATION

- Wireless and handheld devices, PCMCIA cards and disk drives, GPS, etc.

ORDERING CODE

ISTU0718 M 100 T
(1) (2) (3) (4)

(1) SMD Toroidal Power Inductors

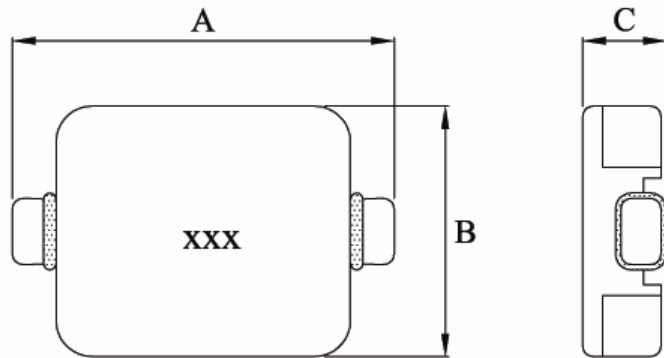
ISTU0718

(2) Tolerance
L 15%, M 20%, N 30%
Y min.

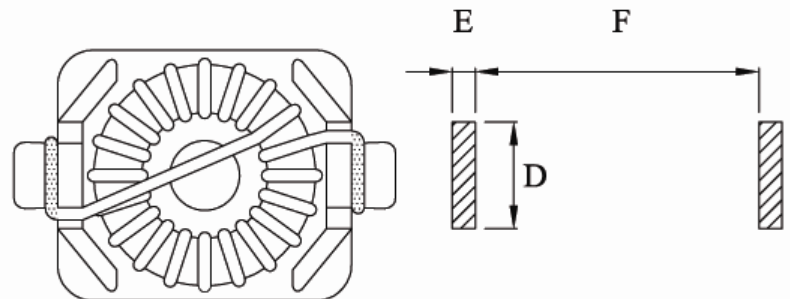
(3) Inductance

(4) Package

Configurations:



Land Pattern



Dimension (mm)

ITEM	A ±0.3	B ±0.3	C (max)	D	E	F
ISTU0718	7.6	5.0	1.85	2.5	1.2	5.0

※Design as Customer's Requested Specifications.

Inductance Range

Item	μH
ISTU0718	1.00 ~ 47.00

Inductor

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Electrical Characteristics for ISTU0718 Series

Part Number	Inductance (μH)	Inductance(μH) @ IDC (min)	Test Freq. (KHz)	DCR (Ω) (max)	Current (A) (max)	IDC (A) (max)
ISTU0718M1R0	1.00	0.80	100	0.103	1.67	2.10
ISTU0718M2R2	2.20	1.60	100	0.130	1.40	1.40
ISTU0718M4R7	4.70	3.22	100	0.180	0.98	1.00
ISTU0718M100	10.00	6.96	100	0.240	0.67	0.68
ISTU0718M150	15.00	10.71	100	0.330	0.54	0.54
ISTU0718M220	22.00	15.26	100	0.360	0.45	0.45
ISTU0718M330	33.00	23.59	100	0.550	0.36	0.37
ISTU0718M470	47.00	32.48	100	0.850	0.31	0.31

※Test Freq.: 100KHz / 0.1V.

※Operating Temp. : -40°C ~ +85°C.

※Current (max)...40°C temperature rise.