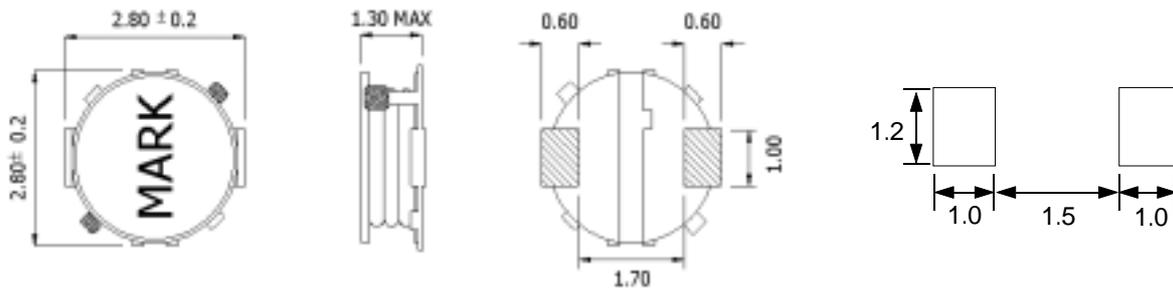


SFOB2813 SERIES

Unshielded Type

Dimensions & Recommended Land Pattern [Unit : mm]



Electrical Characteristics

Part No.	Inductance (uH)	DC Resistance () Max	Saturation Rated Current (A) Max.	Temperature Rise Current (A) Max.
SFOB2813-R594R7	4.7 uH ±20%	0.387 (0.298)	1.38	0.59
SFOB2813-R446R8	6.8 uH ±20%	0.578 (0.445)	0.93	0.44
SFOB2813-R38100	10.0 uH ±20%	0.811 (0.624)	0.82	0.38
SFOB2813-R31150	15.0 uH ±20%	1.046 (0.805)	0.67	0.31
SFOB2813-R23220	22.0 uH ±20%	1.580 (1.216)	0.53	0.23

Testing Instrument :

1) Inductance : HP 4284A LCR METER

2) DC Resistance : HIOKI m Hi-TESTER 3220

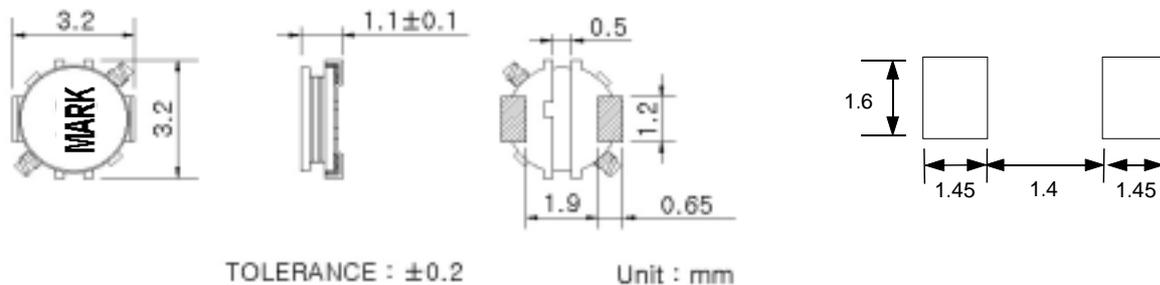
Tested at 100kHz, 0.25 Vrms.

Rated Current (A) : The current when the inductance becomes 10% lower than its nominal value or temperature rise of coil becomes $T=40$. ($T_a=20$)

SFOB3412 SERIES

Unshielded Type

Dimensions & Recommended Land Pattern [Unit : mm]



Electrical Characteristics

Part No.	Inductance (uH)	DC Resistance () Max	Saturation Rated Current (A) Max.	Temperature Rise Current (A) Max.
SFOB3412-1R12R2	2.2 uH ±20%	0.17	1.30	1.10
SFOB3412-R784R7	4.7 uH ±20%	0.33	0.85	0.78
SFOB3412-R656R8	6.8 uH ±20%	0.43	0.72	0.65
SFOB3412-R54100	10.0 uH ±20%	0.60	0.58	0.54
SFOB3412-R45150	15.0 uH ±20%	0.85	0.50	0.45
SFOB3412-R36220	22.0 uH ±20%	1.36	0.44	0.36
SFOB3412-R30330	33.0 uH ±20%	1.90	0.36	0.30
SFOB3412-R25470	47.0 uH ±20%	3.12	0.29	0.25

Testing Instrument :

1) Inductance : HP 4284A LCR METER

2) DC Resistance : HIOKI m Hi-TESTER 3220

Tested at 100kHz, 0.25 Vrms.

Saturation Rated Current (A) : The current when the inductance becomes 10% lower than its nominal value. ($T_a=20$)

Temperature Rise Current (Typ.) : The actual current when temperature of coil becomes $T=25$. ($T_a=20$)