Features

1. The multi-layered Power Inductors provide high reliability for your products.
2. Magnetic shielded structure
3. Condensed SMT available.
4. Minimized design that is suitable for portable electronic equipments requiring low profile.
5. Lead Free (RoHS compliance).

Applications

1. DC-DC converter for mobile phone
2. MP3 Player
3. Digital still cameras / DVR
4. LCD Driver Module
5. Portable digital equipment

Ordering Information

SCPI	-	A	3225	472	-	M	J	T
(1)		(2)	(3)	(4)		(5)	(6)	(7)

(1) Products Series
SCPI : Inductor for Power Line

(2) Materials & Design
A : For high current

(3) Dimension
First two digits : length (㎜)
Last two digits : width (㎜)

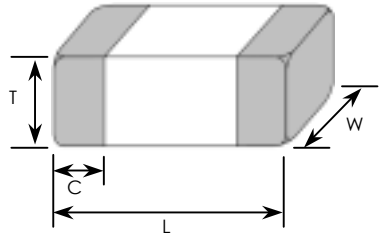
(4) Inductance
First two digits are inductance values.
Last digit is the number of zeros .

(5) Tolerance
M : ± 20%

(6) Termination
J : Nickel barrier

(7) Packaging
B : Bulk Packing
T : Tape & Reel (Φ 178㎜ [7inches])
L : Tape & Reel (Φ 254㎜ [10inches])

Shape and Dimensions



(Unit : mm[inch])

Type	L	W	T	C
SCPI A3225	3.2±0.20 〔.126±.008〕	2.5±0.20 〔.098±.008〕	1.0±0.20 〔.039±.008〕	0.50±0.30 〔.020±.012〕

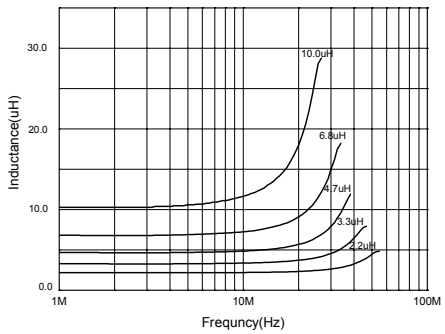
Electrical Parameters

Part Number	Inductance at 1MHz(μH)		Q-factor at 1MHz	DC Resistance (mΩ) ±20%	Current (mA) *1) ΔL/Lo=30%
	Typ.	Tolerance	Typ		
SCPI-A3225-222□□□	2.2	± 20%	23	300	1300
SCPI-A3225-332□□□	3.3		25	380	1060
SCPI-A3225-472□□□	4.7		28	450	850
SCPI-A3225-682□□□	6.8		30	520	680
SCPI-A3225-103□□□	10.0		35	640	510

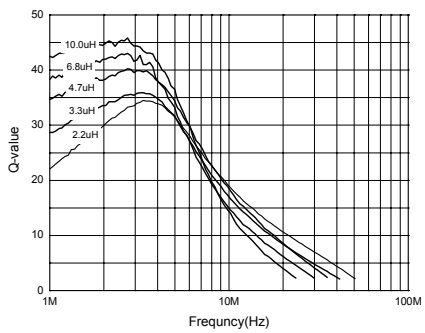
*1) Saturation Current: The DC current at which the inductance decreases to 70% of its initial value.

Electrical Characteristic Curves

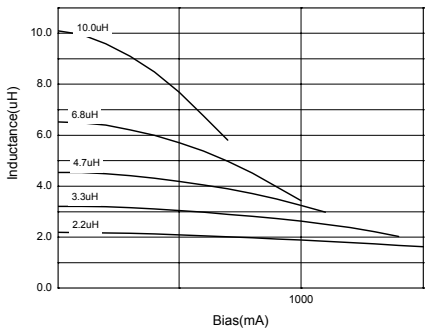
Inductance vs Frequency



Q-factor vs Frequency



Inductance vs Bias



Test Equipment & Fixture

※ L, Q : HP4285A LCR Meter

※ Rdc : TWA-161A, B

※ L Test Frequency : 1MHz