

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	-	X	2520	B	-	472	N	J	T
(1)		(2)	(3)	(4)		(5)	(6)	(7)	(8)

(1) Products Series

SCPI : Inductor for Power Line

(2) Materials & Design

X: For low resistance

(3) Dimension

First two digits : length (mm)

Last two digits : width (mm)

(4) Thickness

B : T size Max 0.6mm

(5) Inductance

First two digits are inductance values.

Last digit is the number of zeros .

(6) Tolerance

M : ±20%

N : ±30%

(7) Termination

J : Nickel barrier

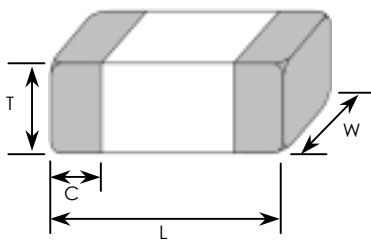
(8) Packaging

B : Bulk Packing

T : Tape & Reel (Φ 178mm [7inches])

L : Tape & Reel (Φ 254mm [10inches])

Shape and Dimensions



Unit : mm [inches]

Type	L	W	T	C
SCPI X2520B	2.5±0.20	2.0±0.20	0.6 Max	0.5±0.20
	{.098±.008}	{.079±.008}	{.024 Max}	{.020±.008}

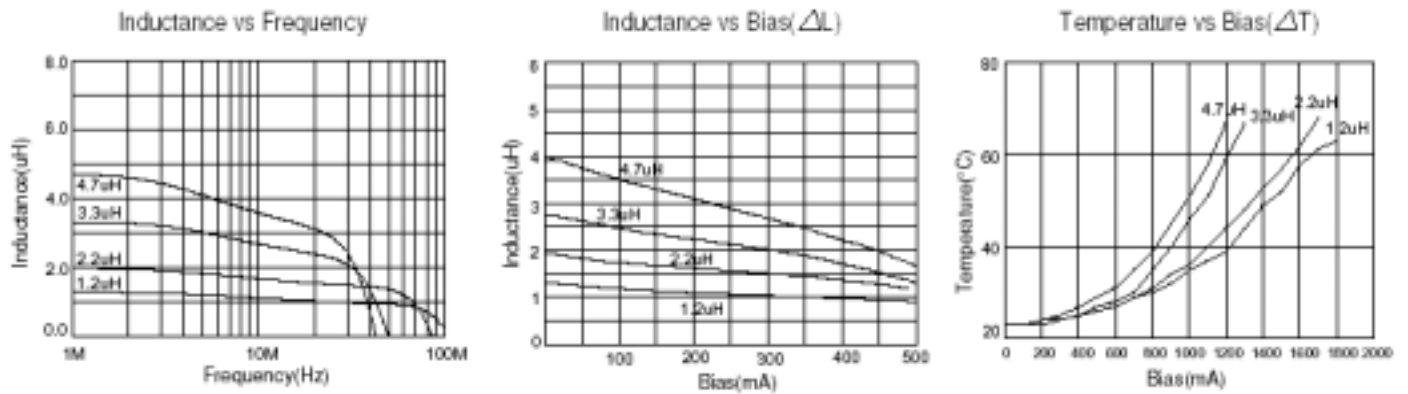
Electrical Parameters

Part Number	Inductance at 1MHz(μ H)		DC Resistance (m Ω)	Current (mA) *1) $\Delta T/T_0 : 40^\circ\text{C}$
	Typ.	Tolerance	$\pm 30\%$	
SCPI-X2520B-122□□□	1.2	$\pm 30\%$	130	1500
SCPI-X2520B-222□□□	2.2		160	1300
SCPI-X2520B-332□□□	3.3		210	1100
SCPI-X2520B-472□□□	4.7		250	1000

※ Low profile type ; T size Max 0.6mm

*1)Temperature rise current: The DC current at which the temperature rise due to self-heating is $\Delta t = 40^\circ\text{C}$. ($T_a = 20^\circ\text{C}$)

Electrical Characteristic Curves



Test Equipment & Fixture

※ L, Q : HP4285A LCR Meter

※ Rdc : TWA-161A, B

※ L Test Frequency : 1MHz