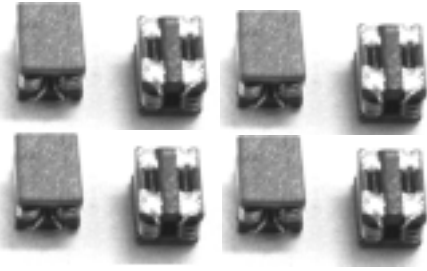


Chip Common Mode Choke Coils

Chip Common Mode Chokes SMH Series(貼片型共模線圈-----JBT 系列)



● Features(特徵):

1. High common mode impedance at high frequency effects excellent noise suppression performance.(在高頻的共模阻抗具有良好的雜訊抑制表現。)
2. The common mode choke coils structure enables noise suppression without degrading the signal.(共模扼線圈的結構使得雜訊被抑制而不會令訊號衰減。)
3. S.M.T Type. (表面黏著類型。)
4. Suitable for and reflow soldering.(適合於一般焊接及回焊。)

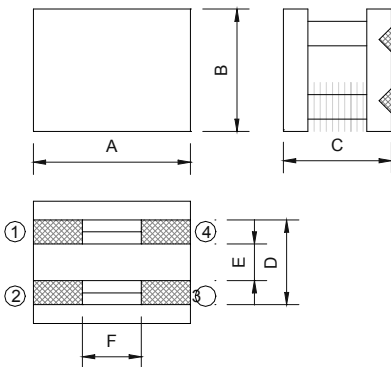
● Applications(應用):

Common mode noise suppression of signal lines in high speed and high density digital equipment as personal computers and peripherals.

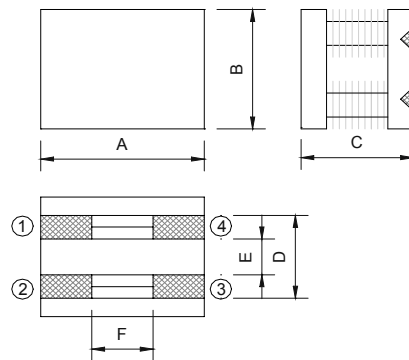
高速訊號線和個人電腦及電腦周邊的高密度組裝之電子設備的共模雜訊抑制。

● Shape & Dimensions(外觀呎吋):

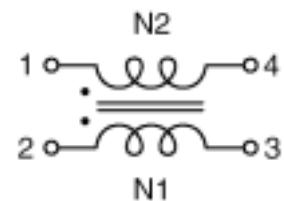
01 Series Shape:



02 Series Shape:



Equivalent Circuit Diagram

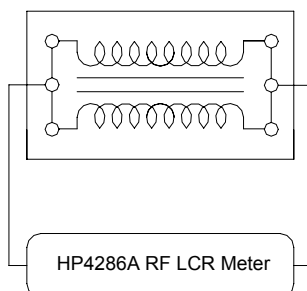


Dimension:

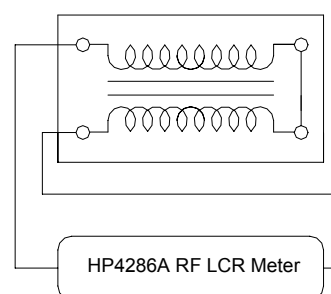
Item	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
JBT2020	2.0±0.3	2.0 ±0.3	2.0 ±0.3	1.25 (Type.)	0.40 (Type.)	0.50 (Type.)
JBT2320	2.3±0.3	2.0 ±0.3	2.0 ±0.3	1.25 (Type.)	0.40 (Type.)	0.80 (Type.)
JBT2520	2.5±0.3	2.0 ±0.3	2.0 ±0.3	1.25 (Type.)	0.40 (Type.)	1.00 (Type.)
JBT3225	3.2±0.3	2.5 ±0.3	2.2 ±0.3	1.60 (Type.)	0.60 (Type.)	1.20 (Type.)
JBT4532	4.5±0.3	3.2 ±0.3	3.2 ±0.3	2.50 (Type.)	1.20 (Type.)	1.50 (Type.)

● Measuring Circuit(測試路):

Common-Mode



Normal-Mode(Differential-Mode)



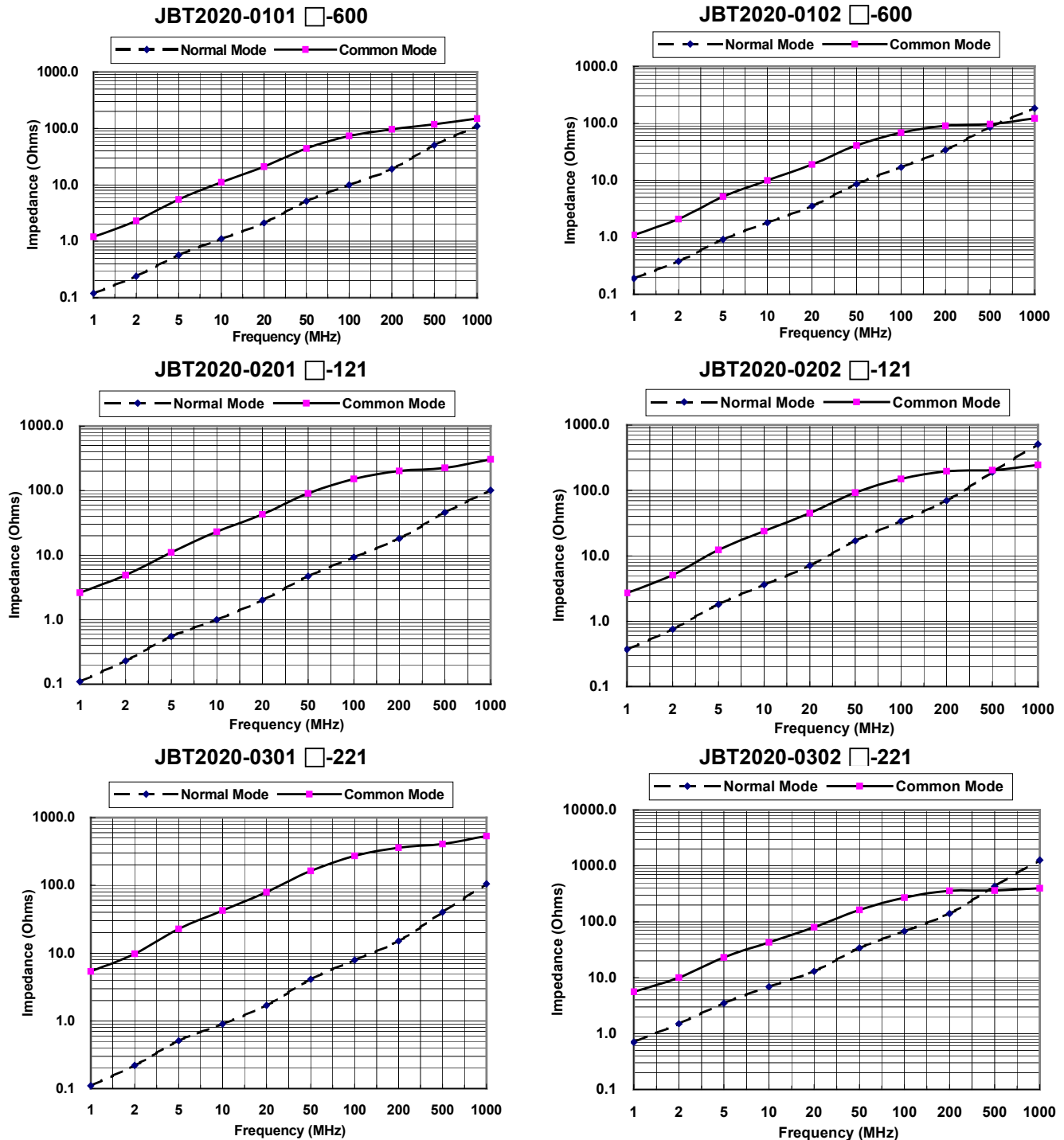
Chip Common Mode Choke Coils

● Specification(規格):

◆ JBT2020 Series Specification:

Part Number	Rated Current (mA)	Common Mode Impedance (Ohms)	Normal Mode Impedance (Ohms)	DC Resistance (Ohms) Max
JBT2020-0101 □-600	500	60 Min At 100MHz	8.0 Type. At 100MHz	0.10
JBT2020-0201 □-121	500	120 Min At 100MHz	10.0 Type. At 100MHz	0.10
JBT2020-0301 □-221	300	220 Min At 100MHz	10.0 Type. At 100MHz	0.15
JBT2020-0102 □-600	500	60 Min At 100MHz	17.0 Type. At 100MHz	0.10
JBT2020-0202 □-121	500	120 Min At 100MHz	34.0 Type. At 100MHz	0.10
JBT2020-0302 □-221	300	220 Min At 100MHz	68.0 Type. At 100MHz	0.15

◆ JBT2020 Series Typical Impedance vs. Frequency Curve:



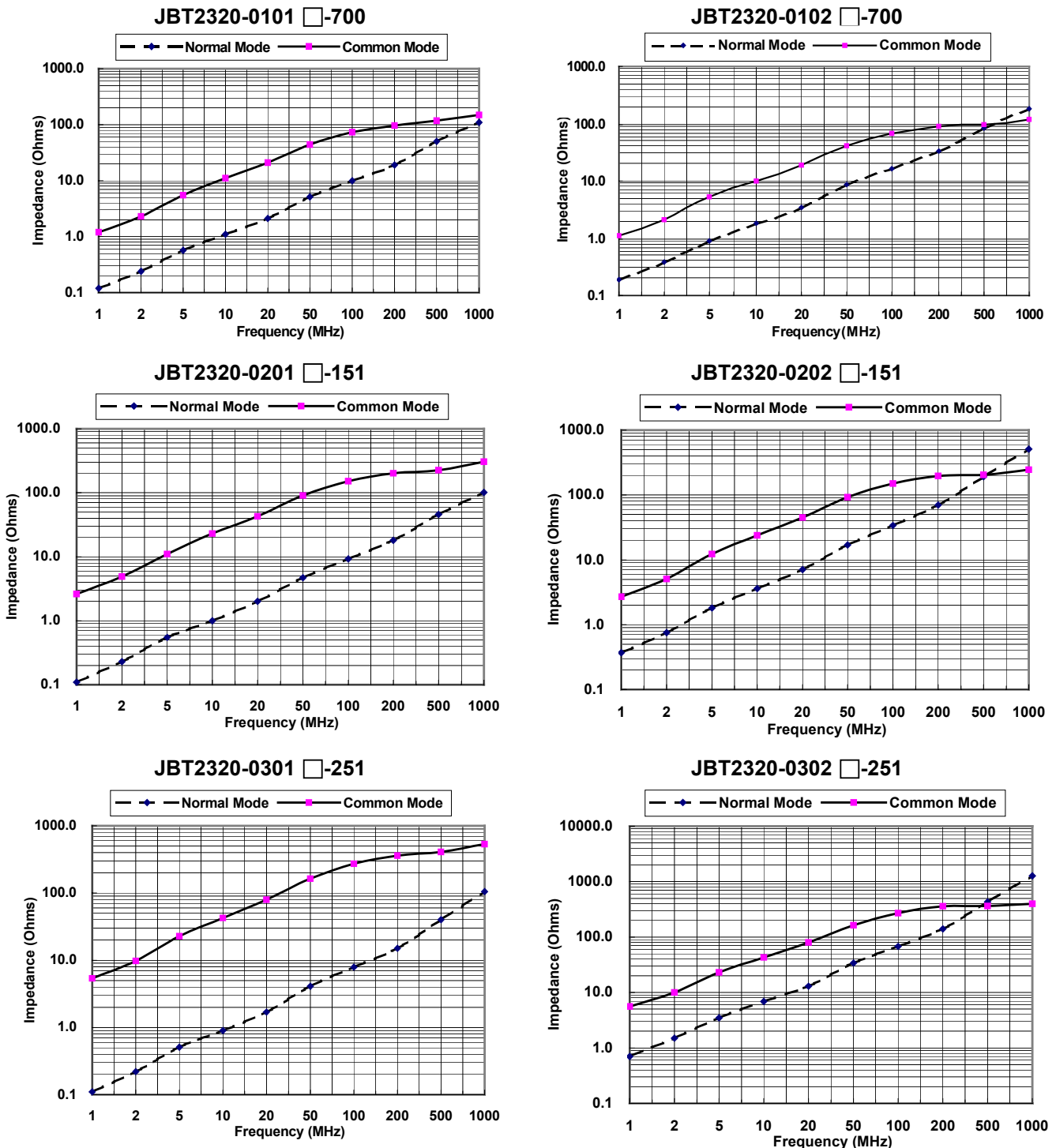
Chip Common Mode Choke Coils

● Specification(規格):

◆ JBT2320 Series Specification:

Part Number	Rated Current (mA)	Common Mode Impedance (Ohms)	Normal Mode Impedance (Ohms)	DC Resistance (Ohms) Max
JBT2320-0101 □-700	500	70 Min At 100MHz	8.0 Type. At 100MHz	0.10
JBT2320-0201 □-151	500	150 Min At 100MHz	10.0 Type. At 100MHz	0.10
JBT2320-0301 □-251	300	250 Min At 100MHz	10.0 Type. At 100MHz	0.15
JBT2320-0102 □-700	500	70 Min At 100MHz	17.0 Type. At 100MHz	0.10
JBT2320-0202 □-151	500	150 Min At 100MHz	34.0 Type. At 100MHz	0.10
JBT2320-0302 □-251	300	250 Min At 100MHz	68.0 Type. At 100MHz	0.15

◆ JBT2320 Series Typical Impedance vs. Frequency Curve:



Chip Common Mode Choke Coils

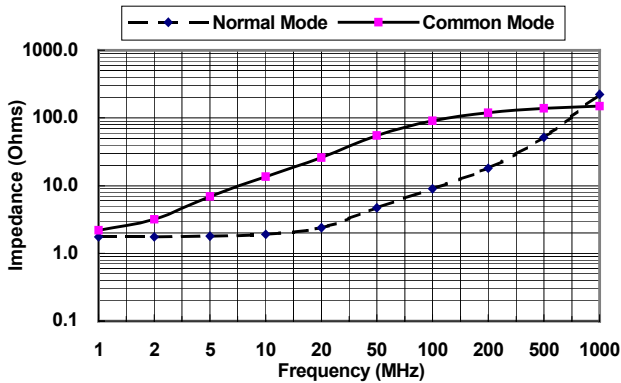
● Specification(規格):

◆ JBT2520 Series Specification:

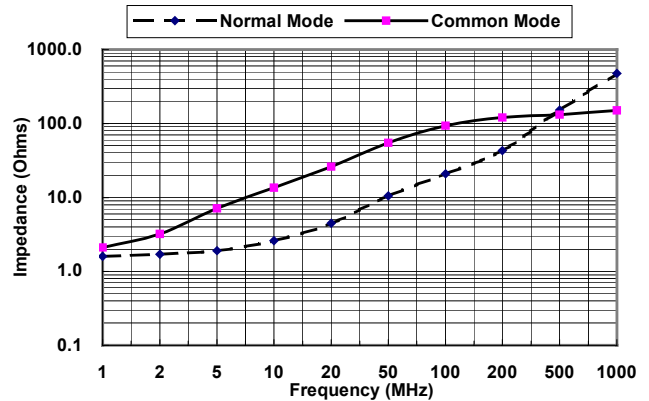
Part Number	Rated Current (mA)	Common Mode Impedance (Ohms)	Normal Mode Impedance (Ohms)	DC Resistance (Ohms) Max
JBT2520-0101 □-800	500	80 Min At 100MHz	8.0 Type. At 100MHz	0.15
JBT2520-0201 □-181	500	180 Min At 100MHz	10.0 Type. At 100MHz	0.15
JBT2520-0301 □-391	300	390 Min At 100MHz	12.0 Type. At 100MHz	0.18
JBT2520-0102 □-800	500	80 Min At 100MHz	20.0 Type. At 100MHz	0.15
JBT2520-0202 □-181	500	180 Min At 100MHz	40.0 Type. At 100MHz	0.15
JBT2520-0302 □-391	300	390 Min At 100MHz	80.0 Type. At 100MHz	0.18

◆ JBT2520 Series Typical Impedance vs. Frequency Curve:

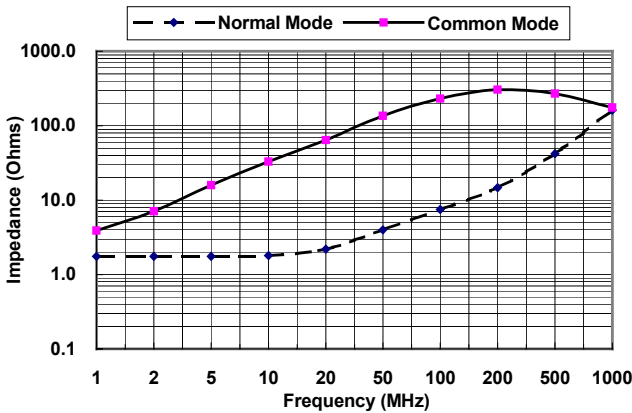
JBT2520-0101 □-800



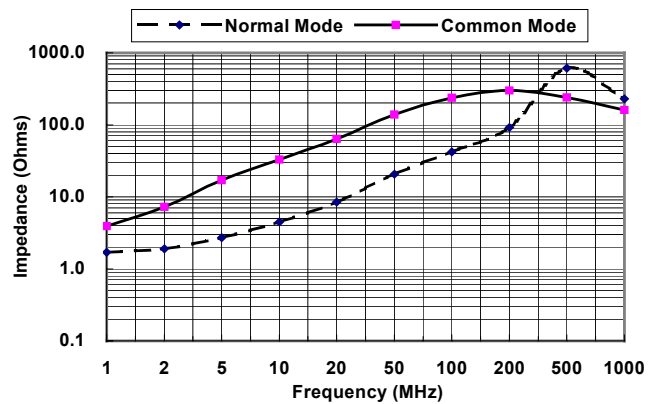
JBT2520-0102 □-800



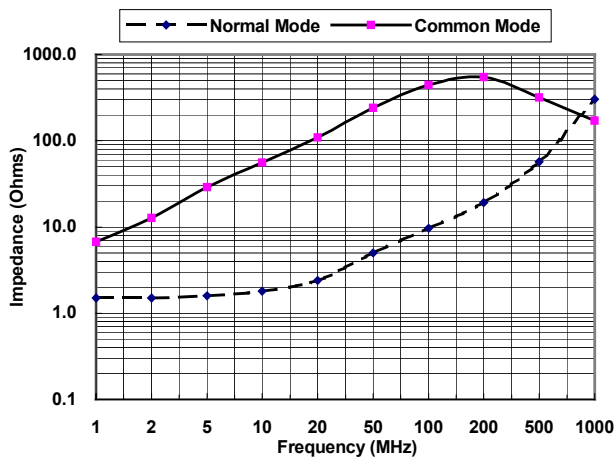
JBT2520-0201 □-181



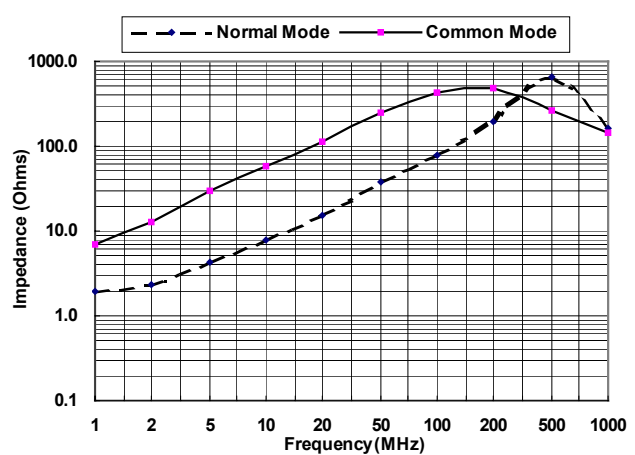
JBT2520-0202 □-181



JBT2520-0301 □-391



JBT2520-0302 □-391



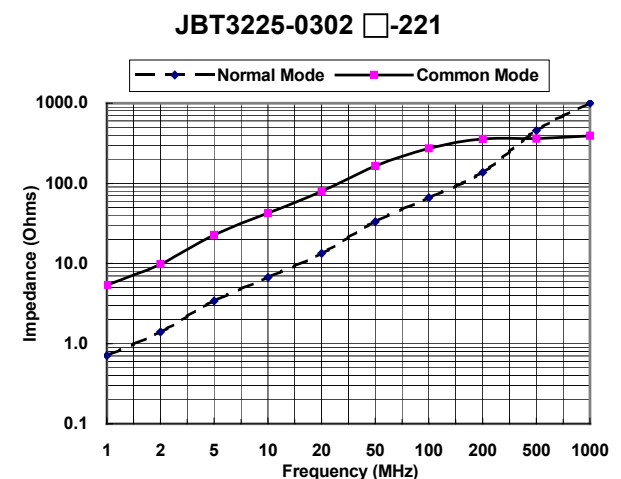
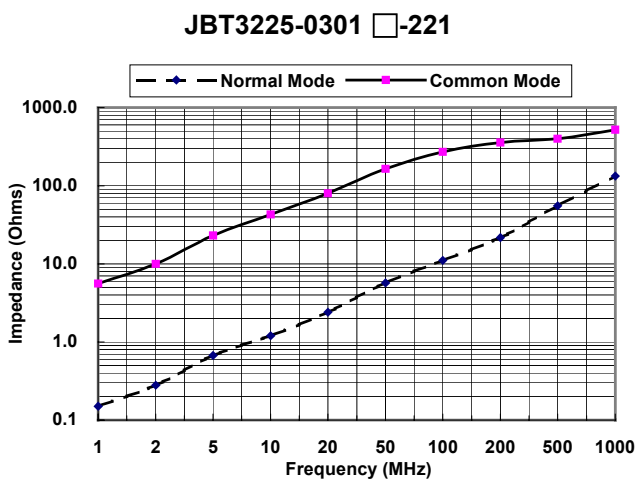
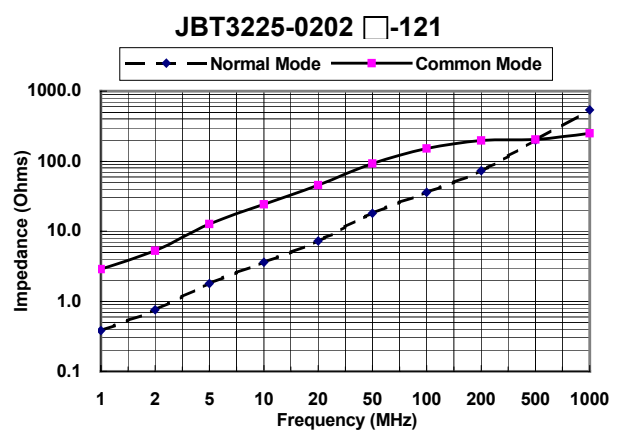
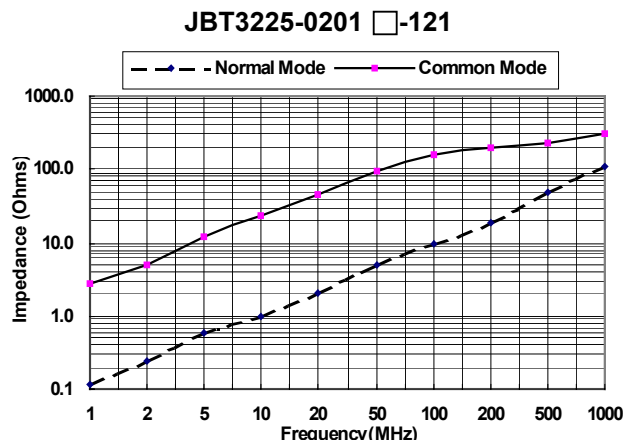
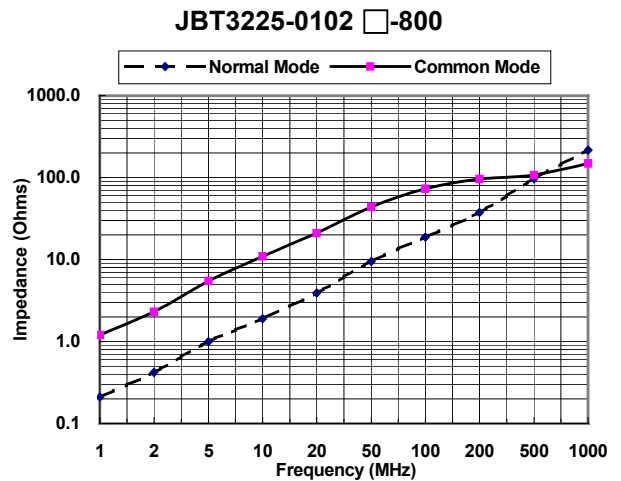
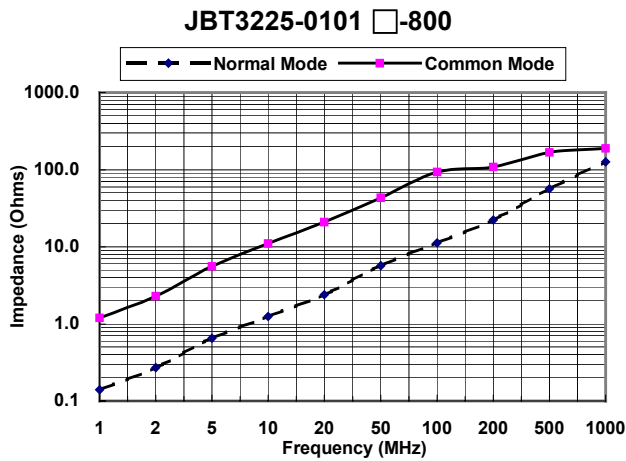
Chip Common Mode Choke Coils

● Specification(規格):

◆ JBT3225 Series Specification:

Part Number	Rated Current (mA)	Common Mode Impedance (Ohms)	Normal Mode Impedance (Ohms)	DC Resistance (Ohms) Max
JBT3225-0101 □-800	600	80 Min At 100MHz	10.0 Type. At 100MHz	0.08
JBT3225-0201 □-121	600	120 Min At 100MHz	10.0 Type. At 100MHz	0.10
JBT3225-0301 □-221	500	220 Min At 100MHz	12.0 Type. At 100MHz	0.12
JBT3225-0102 □-800	600	80 Min At 100MHz	18.0 Type. At 100MHz	0.08
JBT3225-0202 □-121	600	120 Min At 100MHz	36.0 Type. At 100MHz	0.10
JBT3225-0302 □-221	500	220 Min At 100MHz	64.0 Type. At 100MHz	0.12

◆ JBT3225 Series Typical Impedance vs. Frequency Curve:



Chip Common Mode Choke Coils

● Specification(規格):

◆ JBT4532 Series Specification:

Part Number	Rated Current (mA)	Common Mode Impedance (Ohms)	Normal Mode Impedance (Ohms)	DC Resistance (Ohms) Max
JBT4532-0101 □-121	1000	120 Min At 100MHz	10.0 Type. At 100MHz	0.05
JBT4532-0201 □-331	1000	330 Min At 100MHz	12.0 Type. At 100MHz	0.08
JBT4532-0301 □-701	800	700 Min At 100MHz	14.0 Type. At 100MHz	0.10
JBT4532-0102 □-121	1000	120 Min At 100MHz	25.0 Type. At 100MHz	0.05
JBT4532-0202 □-331	1000	330 Min At 100MHz	70.0 Type. At 100MHz	0.08
JBT4532-0302 □-701	800	700 Min At 100MHz	150.0 Type. At 100MHz	0.10

◆ JBT4532 Series Typical Impedance vs. Frequency Curve:

