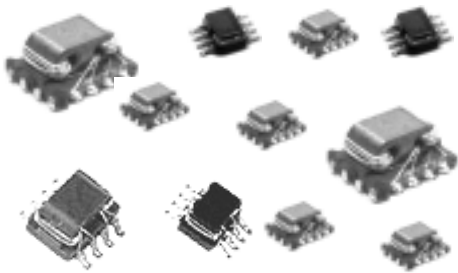


On Board-Type EMI Suppression Filters

Dual Wire Wound Type Common Mode Choke Coil T4W/T5W/B4W/B5W Series For Signal and Noise Suppression Application (雙繞組共模線圈----- T4W/T5W/B4W/B5W 系列, 適用於訊號及雜訊抑制之應用)



Features(特徵):

1. The T4W/T5W/B4W/B5W series has high common mode impedance in small size. (T4W/T5W/B4W/B5W 系列具小型而有高的共模阻抗。)
2. The series is effective for common mode noise suppression in digital equipment which radiation is caused from cables. (這個系列能有效抑制數位設備內由電纜輻射出之共模雜訊。)
3. Suitable for reflow soldering. (適合迴焊。)

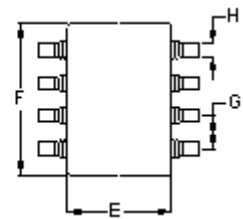
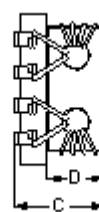
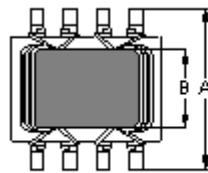
Applications(應用):

The series is effective in high frequency noise suppression and suitable for radiation noise in signal cables. The dual winding type common mode choke coil structure enables noise suppression without degrading the signal. They can be as a common mode filter for USB2.0 & IEEE1394.

這個系列的產品能有效抑制高頻雜訊而且適合抑制由訊號電纜所輻射的雜訊。雙繞組型式的共模扼流線圈結構能抑制雜訊而不造成訊號的衰減。可作為一個共模濾波器，用於 USB2.0 及 IEEE1394。

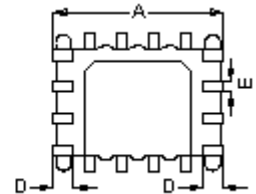
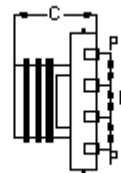
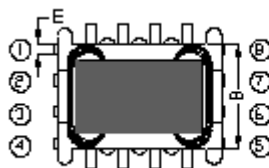
T4W/B4W Series (T4W/B4W 系列):

T4W Series Dimension:



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
T4W5050F	5.30 Max	2.00 Typ.	2.80 Max	1.50 Typ.	2.50 Typ.	3.80 Max	0.80±0.10	0.30±0.10

B4W Series Dimension:



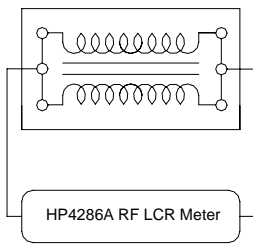
Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	P (mm)
B4W5050F	4.80 Max	3.30 Typ.	2.80 Max	0.65±0.10	0.40±0.10	0.80±0.10

Specification:

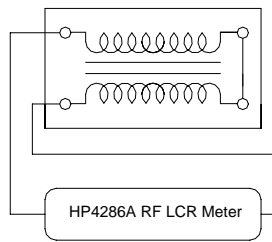
Part Number	Rated Current (mA)	Common mode Impedance()		DC Resistance () max.	Withstand Voltage (Vdc)	Insulation Resistance () min.
		at 100MHz	at 300MHz			
T4W/B4W 5050F -900 T05	500	90±25%	120(typ.)	0.10	100	100M
T4W/B4W 5050F -201 T05	500	200±25%	280(typ.)	0.12	100	100M
T4W/B4W 5050F -301 T05	500	300±25%	520(typ.)	0.15	100	100M
T4W/B4W 5050F -501 T05	500	500±25%	850(typ.)	0.16	100	100M

On Board-Type EMI Suppression Filters

Measuring Circuit:

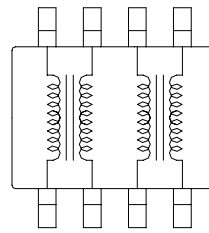


Common-Mode

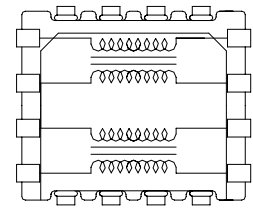


Normal-Mode (Differential-Mode)

Equivalent Circuit Diagram:

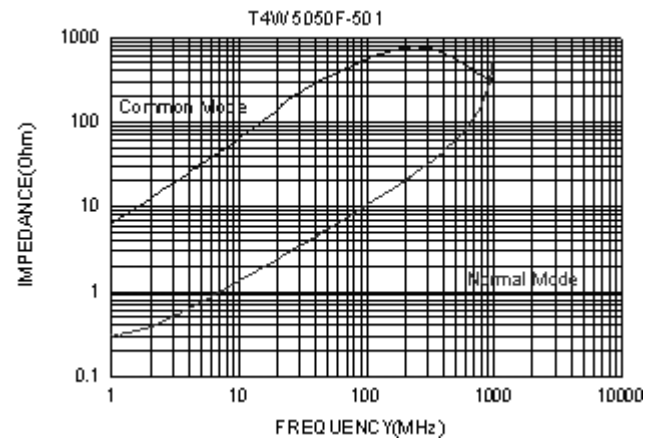
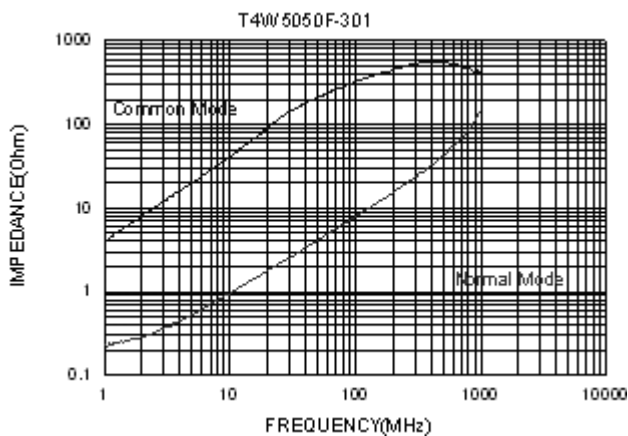
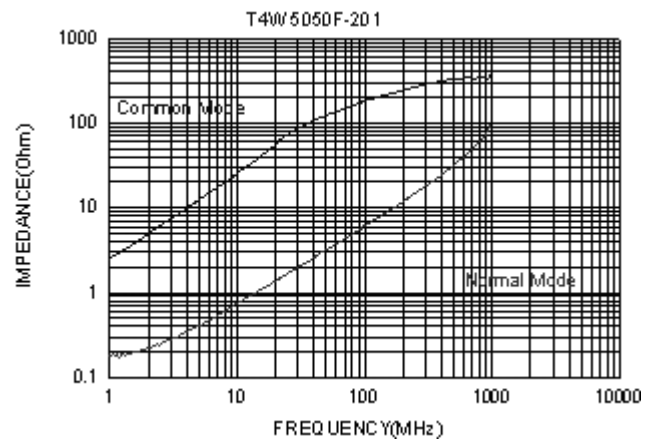
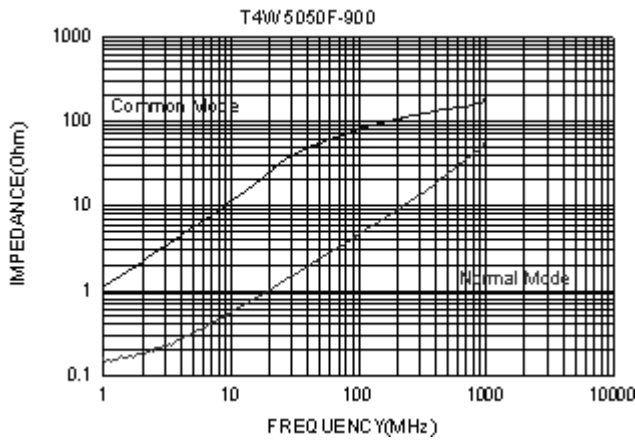


T4W Series



B4W Series

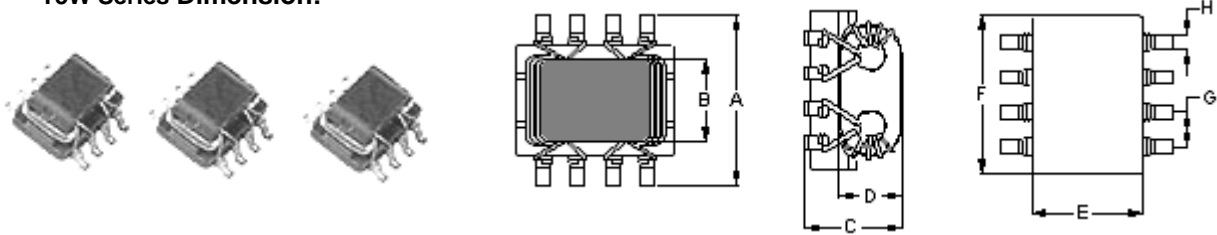
Typical Impedance v.s. Frequency Curve:



On Board-Type EMI Suppression Filters

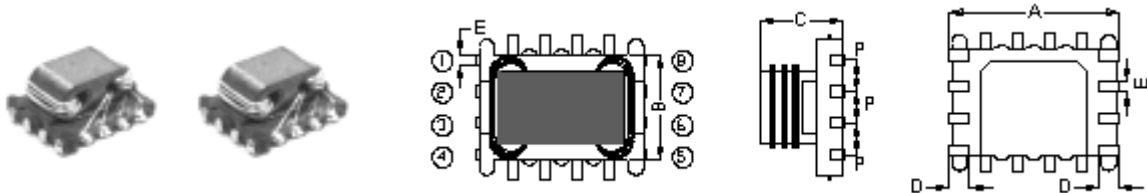
T5W/B5W Series (T5W/B5W 系列):

T5W Series Dimension:



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
T5W6560F	6.70 Max	3.00 Typ.	3.50 Max	2.00 Typ.	4.00 Typ.	6.10 Max	1.27±0.10	0.50±0.10

B5W Series Dimension:

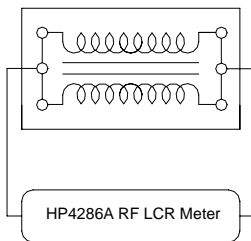


Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	P (mm)
B5W6560F	6.70 Max	4.40 Typ.	3.50 Max	0.80±0.10	0.40±0.10.	1.27±0.10

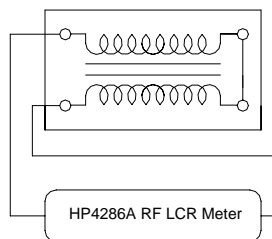
Specification:

Part Number	Rated Current (mA)	Common mode Impedance()		DC Resistance () max.	Withstand Voltage (Vdc)	Insulation Resistance () min.
		at 100MHz	at 300MHz			
T5W/B5W 6560F-900 T05	500	90±25%	150(typ.)	0.10	100	100M
T5W/B5W 6560F -121 T05	500	120±25%	180(typ.)	0.12	100	100M
T5W/B5W 6560F -301 T05	500	300±25%	470(typ.)	0.16	100	100M
T5W/B5W 6560F -501 T05	500	500±25%	750(typ.)	0.20	100	100M

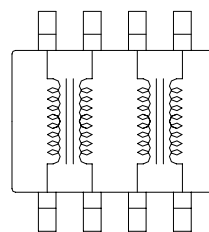
Measuring Circuit:



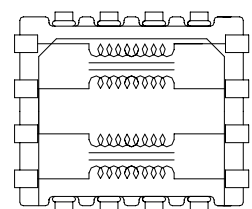
Common-Mode



Normal-Mode (Differential-Mode)



T5W Series

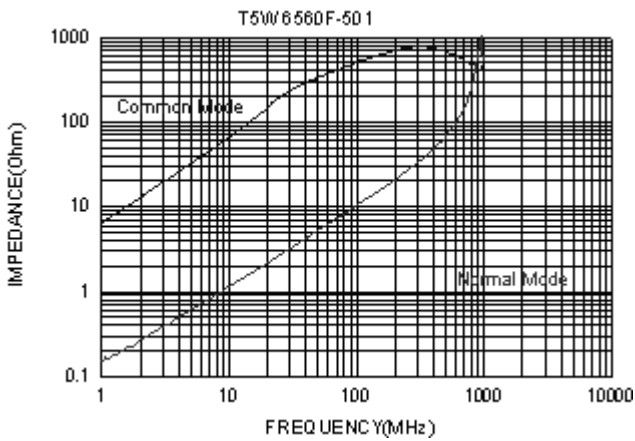
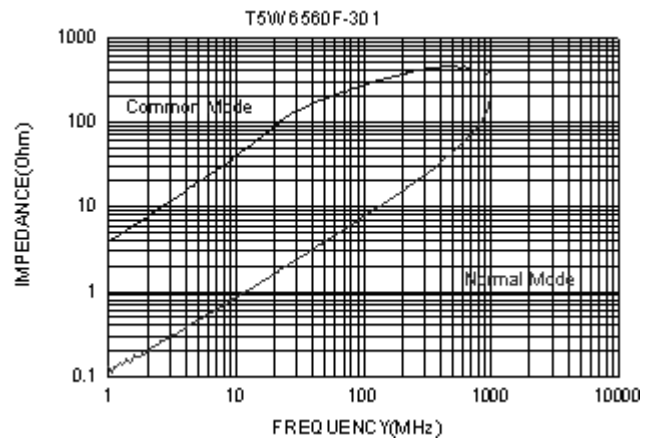
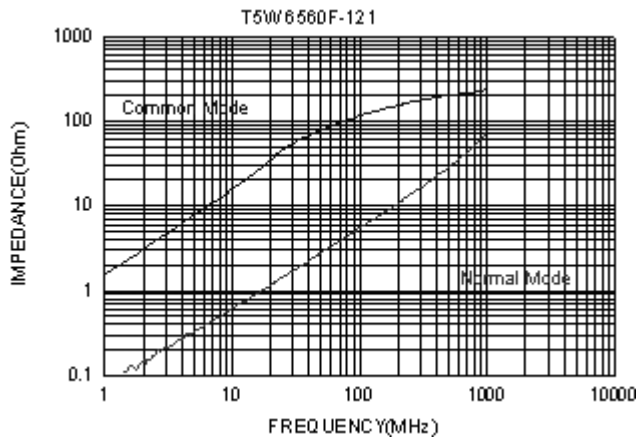


B5W Series

Equivalent Circuit Diagram:

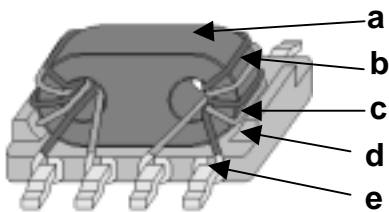
On Board-Type EMI Suppression Filters

Typical Impedance v.s. Frequency Curve:



Material and Winding(材料與繞組方式):

Material



NO.	Item	Material
a	Core	Ferrite core (RID Type)
b	Wire	Polyurethane Wire (Class B)
c	Epoxy	G-500 or Equivalence. Fixed base and core
d	Base	Phenolic (94V-0)
e	Pin	Terminal (Ag+Ni+Sn/Pb)

Winding:

