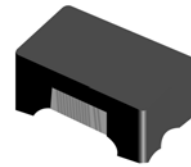


# Wire Wound Chip Balun Transformer – BW-S Series

Operating Temp. : -40°C~+85°C



## FEATURES

- Winding type realizes small size and low profile
- Surface mount type
- Low insertion loss at frequency range
- Excellent solderability

## APPLICATIONS

- Balanced unbalanced transformation between antenna and cable (TV tuner)

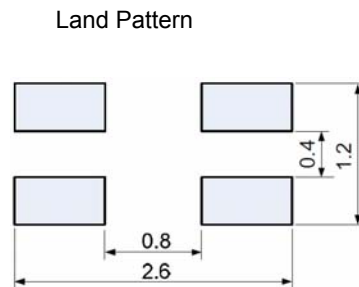
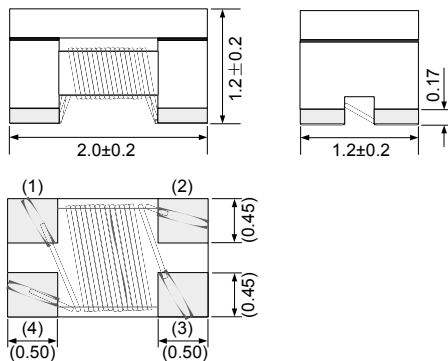
## PRODUCT IDENTIFICATION

<u>B</u> ①	<u>W</u> ②	<u>21</u> ③	<u>S</u> ④	<u>75</u> ⑤	<u>11</u> ⑥	<u>A01</u> ⑦	<u>T</u> ⑧	<u>F</u> ⑨																																										
①	②	③	④	⑤	⑥	⑦	⑧	⑨																																										
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## SHAPE AND DIMENSIONS

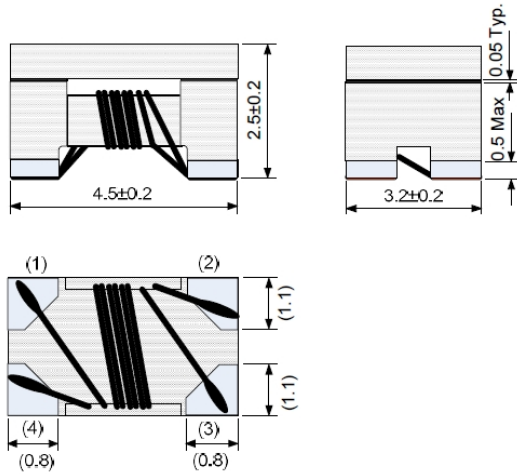
BW21S Series

Unit: mm



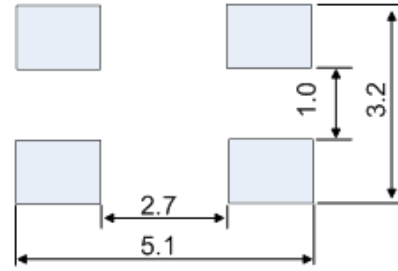
# SHAPE AND DIMENSIONS

BW43S Series



Land Pattern

Unit: mm



# SPECIFICATIONS

BW21S TYPE

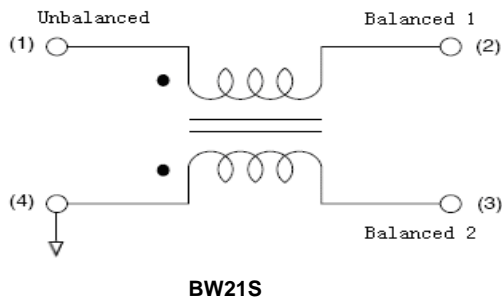
Part Number	Freq. Range	Port Impedance	Insertion Loss at Freq. Range (Max.)	CMRR at Freq. Range (Min.)	Rated Power
Units	MHz	$\Omega$	dB	dB	dBm
BW21S7511A01TF	45~870	75/75	1.0	20	27
BW21S5011A01TF	45~870	50/50	1.2	20	27
BW21S7511B02TF	50~1200	75/75	1.2	20	27
BW21S7511C01TF	1000~1500	75/75	1.4	20	27
BW21S7511D01TF	950~2150	75/75	1.5	20	27
BW21S7511E01TF	400~1800	75/75	2.0	10	27

BW43S TYPE

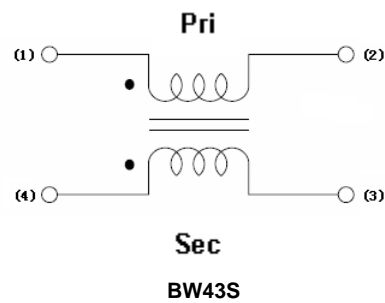
Part Number	Freq. Range	Inductance @50MHz	Port Impedance	Insertion Loss at Freq. Range	DC Resistance	Rated Current	Rated Voltage	Insulation Resistance (M $\Omega$ )
Units	MHz	$\mu$ H	$\Omega$	dB	$\Omega$	mA	VDC	dB
BW43S5011C01TF	4~200	1.25 Typ	50/50	2.52 Typ	0.40 Max	540 Max	50	10 Min
BW43S5011E01TF	48~645	1.00 Typ	50/50	6.66 Typ	0.15 Max	960 Max	50	10 Min

※Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

# EQUIVALENT CIRCUIT



BW21S

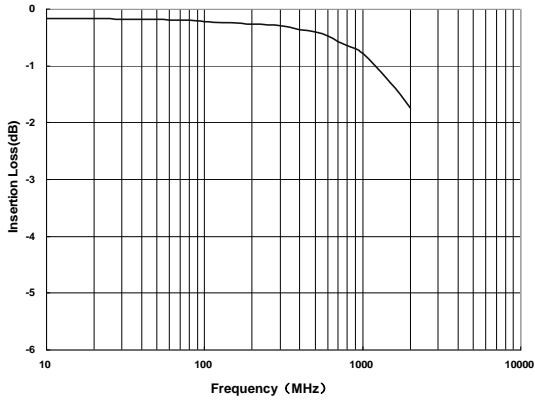


BW43S

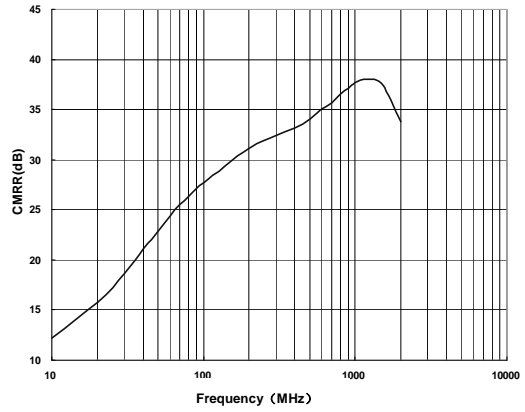
# TYPICAL ELECTRICAL CHARACTERISTICS

BW21S7511A01TF

Insertion Loss Characteristics

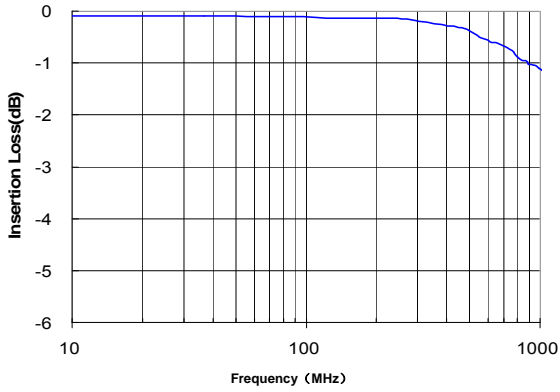


CMRR Characteristics

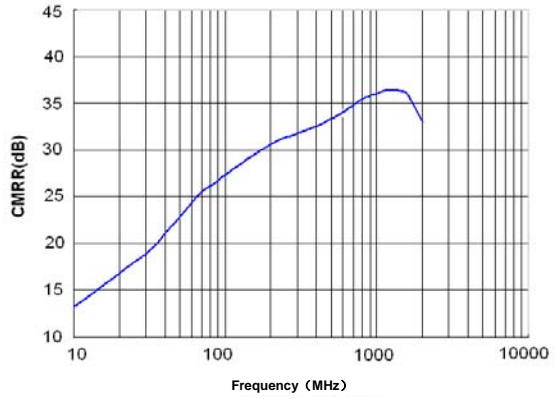


BW21S5011A01TF

Insertion Loss Characteristics

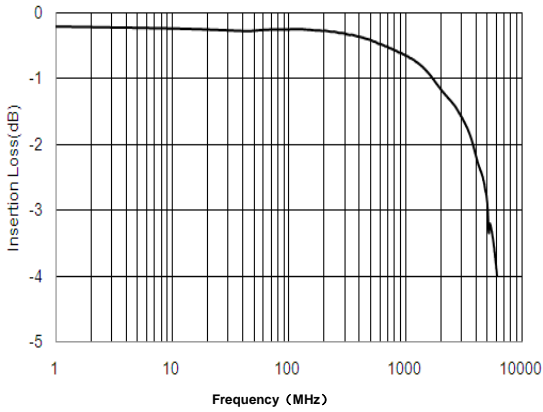


CMRR Characteristics

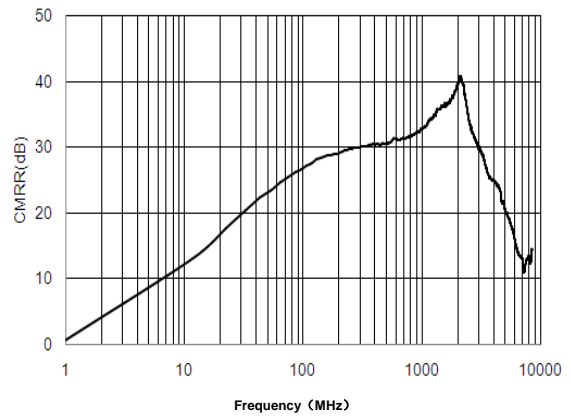


BW21S7511B02TF

Insertion Loss Characteristics



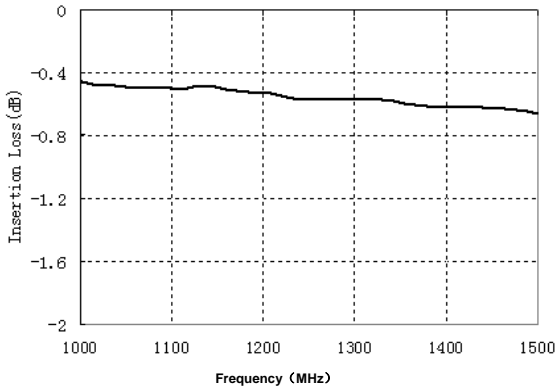
CMRR Characteristics



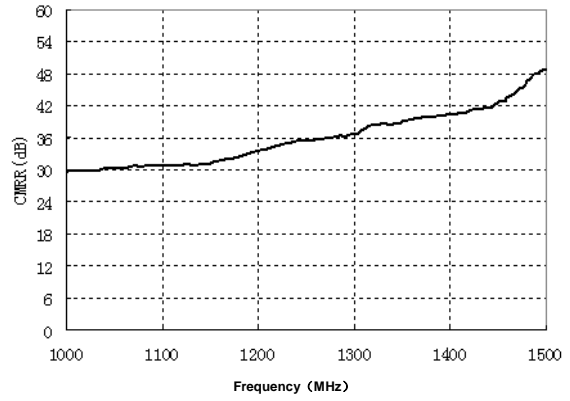
# TYPICAL ELECTRICAL CHARACTERISTICS

BW21S7511C01TF

Insertion Loss Characteristics

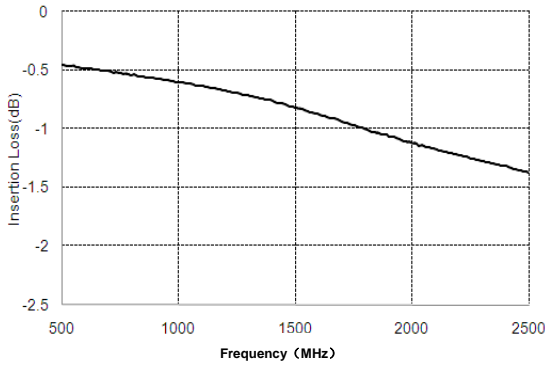


CMRR Characteristics

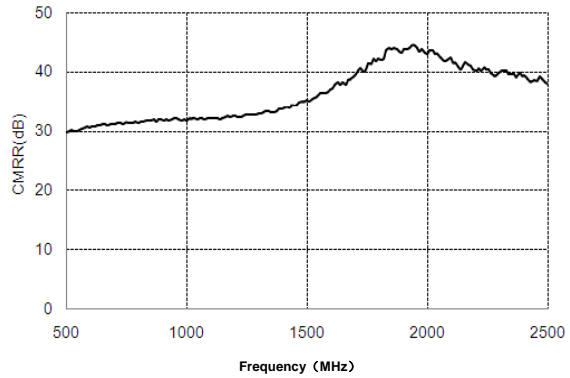


BW21S7511D01TF

Insertion Loss Characteristics

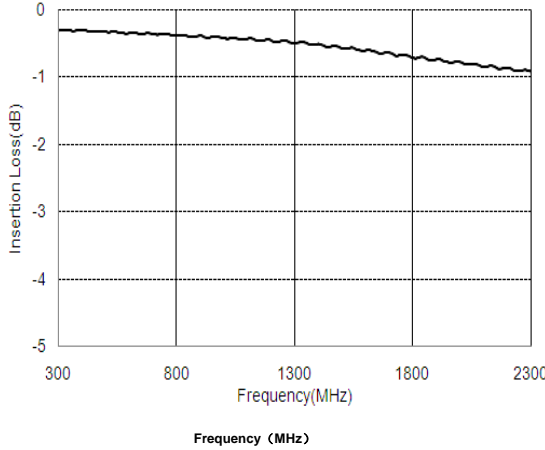


CMRR Characteristics

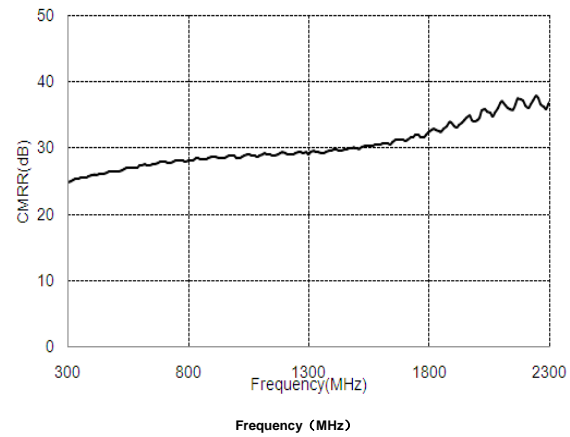


BW21S7511E01TF

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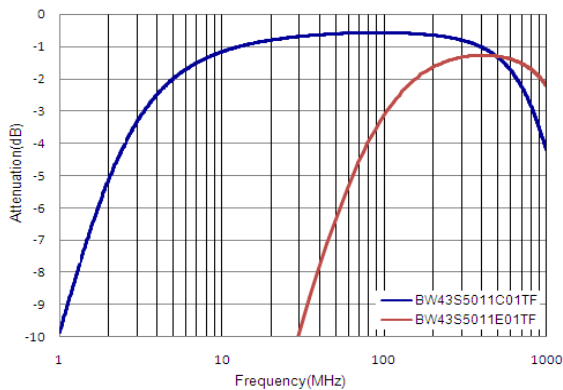


CMRR Characteristics



BW43S5011C01TF BW43S5011E01TF

Insertion Loss Characteristics



Specifications subject to change without notice. Please check our website for latest information. Revised 2017/04/15