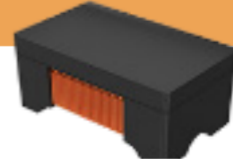


Wire Wound Chip Balun Transformer – BW Series



Operating temp. : -40°C ~+ 85°C

FEATURES

- ◆ Winding structure and small size
- ◆ Low insertion loss at frequency range
- ◆ Surface mount type
- ◆ Excellent solderability

APPLICATIONS

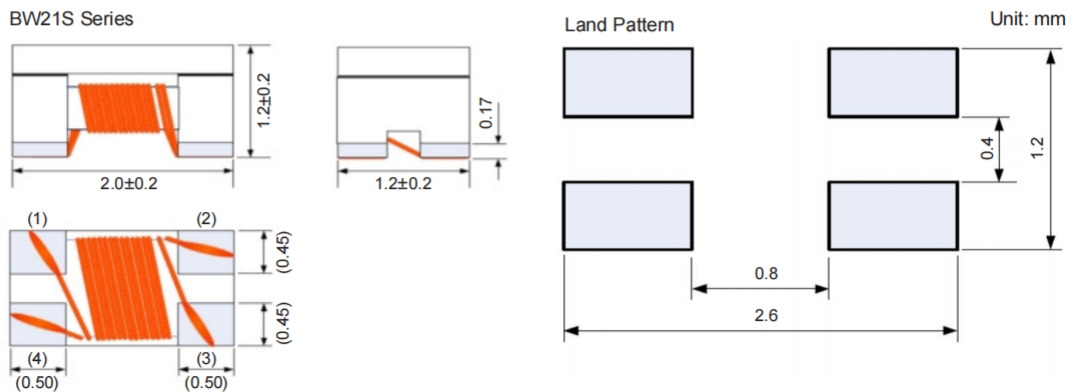
- ◆ Balanced unbalanced transformation between antenna and cable (TV tuner)

PRODUCT IDENTIFICATION

1	2	3	4	5	6	7	8	9
B	W	21	S	75	11	A01	T	F

<p>1</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="2">Type</th></tr> <tr><td>B</td><td>Chip Balun Transformer</td></tr> </table>	Type		B	Chip Balun Transformer	<p>2</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="2">Structure</th></tr> <tr><td>W</td><td>Winding Type</td></tr> </table>	Structure		W	Winding Type	<p>3</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="2">External Dimensions (L×W) (MM)</th></tr> <tr><td>21</td><td>2.0×1.2</td></tr> <tr><td>43</td><td>4.5×3.2</td></tr> </table>	External Dimensions (L×W) (MM)		21	2.0×1.2	43	4.5×3.2		
Type																		
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Characteristic Code																		
A01																		
B02																		
C01																		
D01																		
E01																		
Packing																		
T	Tape Carrier Package																	
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F																		

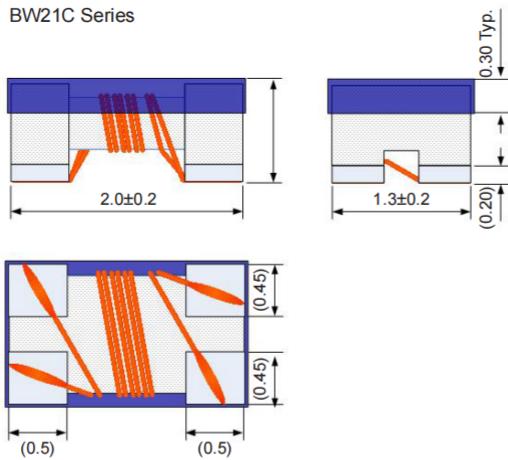
SHAPE AND DIMENSIONS



Multilayer Chip LC Filter
 Multilayer Chip Balun
 Multilayer Chip Diplexer
 Multilayer Chip Triplexer
 Multilayer Chip LC Coupler
 Multilayer Chip Antenna
 Wire Wound Chip Balun Transformer
 Ceramic Dielectric Filter

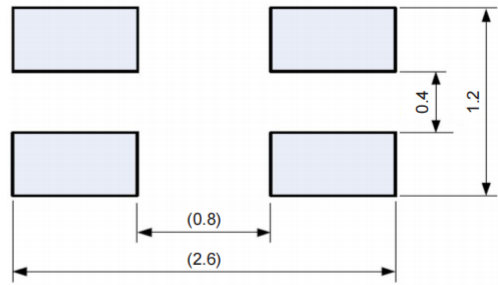
SHAPE AND DIMENSIONS

BW21C Series

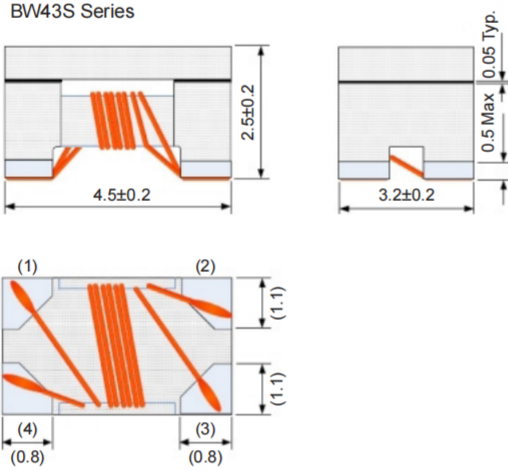


Land Pattern

Unit: mm

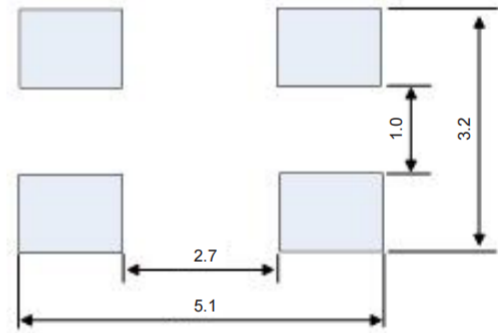


BW43S Series



Land Pattern

Unit: mm



SPECIFICATIONS

BW21S TYPE

Part Number	Freq. Range	Port Impedance	Insertion Loss at Freq. Range	CMRR at Freq. Range(Min.)	Rated Power
Units	MHz	Ω	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

BW21C TYPE

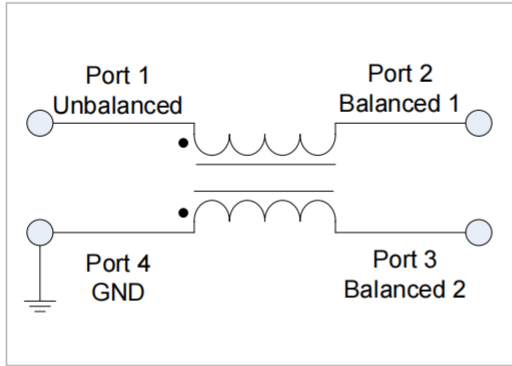
Part Number	Freq. Range	Port Impedance	Inductance	Insertion Loss	Return Loss	DC Resistance	Rated Current	CMRR	Insulation Resistance
Units	MHz	Ω	μ H	dB	dB	Ω	mA	dB	M Ω
BW21C2511A01TF	13.56	25/25	1.0 Min.	1.0 Max.	13 Typ.	0.75 Max.	220 Min.	47 Min.	10 Min.

SPECIFICATIONS BW43S TYPE

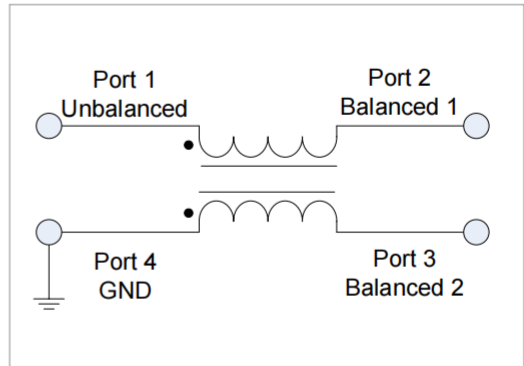
Part Number	Freq. Range	Port Impedance	Inductance @50MHz	Insertion Loss	DC Resistance	Rated Current	Rated Voltage	Insulation Resistance (MΩ)
Units	MHz	Ω	uH	dB	Ω	mA	VDC	dB
BW43S5011C01TF	4~200	50/50	1.25 Typ.	2.52 Typ.	0.40 Max.	540 Max.	50	10 Min.
BW43S5011E01TF	48~645	50/50	1.00 Typ.	6.66 Typ.	0.15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

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

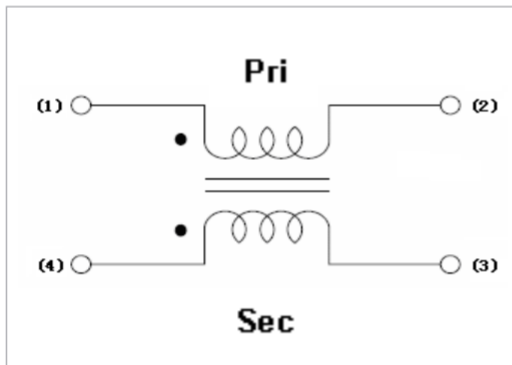
EQUIVALENT CIRCUIT



BW21S



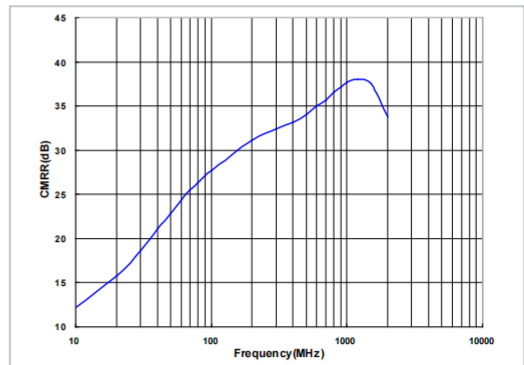
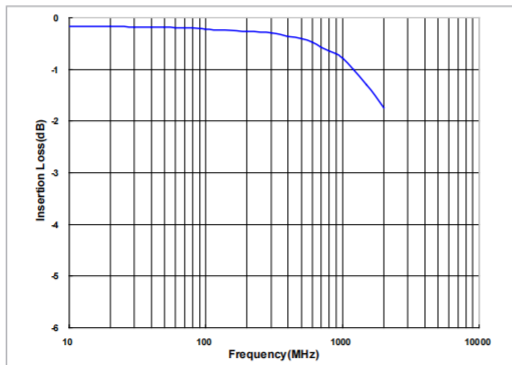
BW21C



BW43S

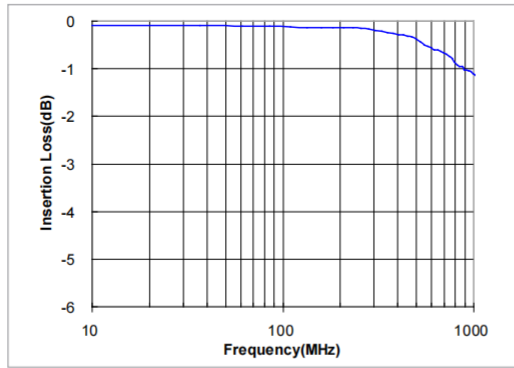
TYPICAL ELECTRICAL CHARACTERISTICS

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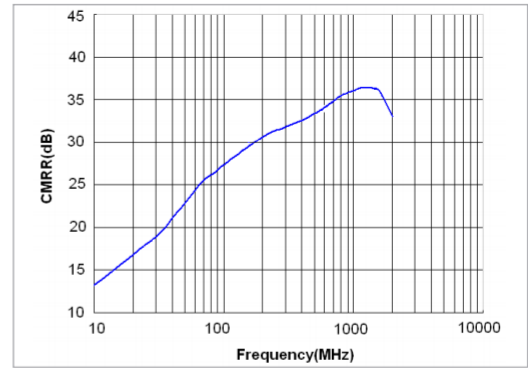


**TYPICAL
ELECTRICAL
CHARACTERISTICS**

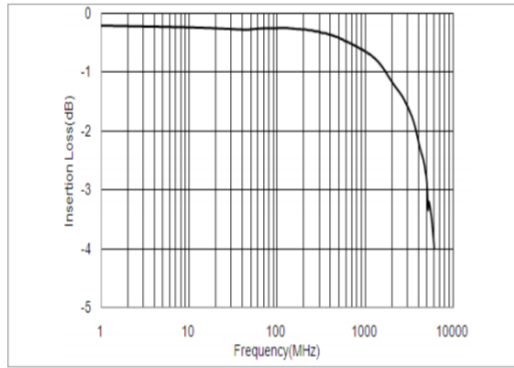
BW21S5011A01TF
Insertion Loss Characteristics



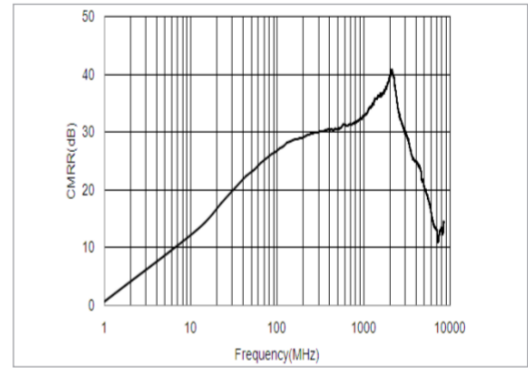
CMRR Characteristics



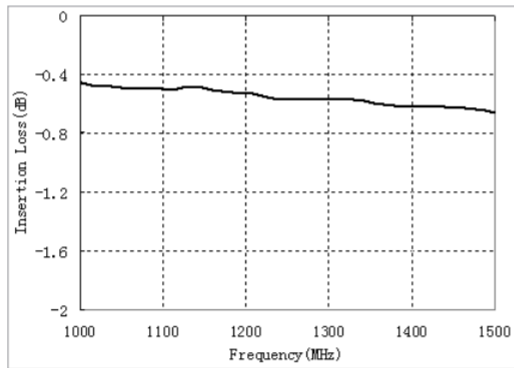
BW21S7511B02TF
Insertion Loss Characteristics



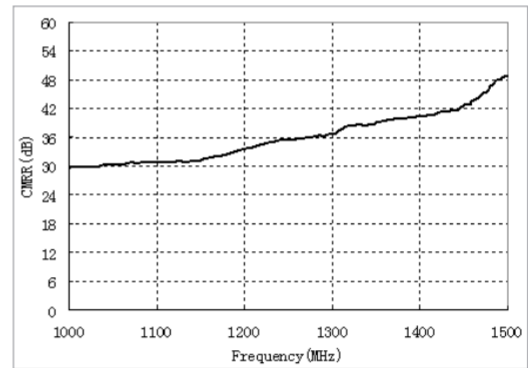
CMRR Characteristics



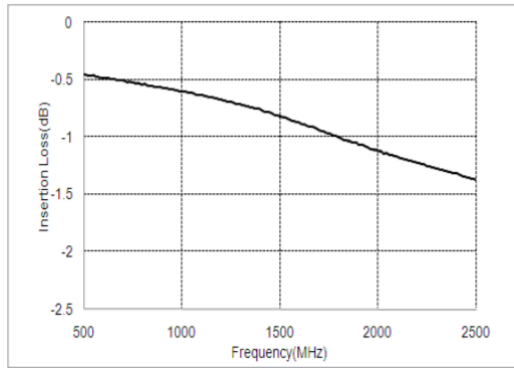
BW21S7511C01TF
Insertion Loss Characteristics



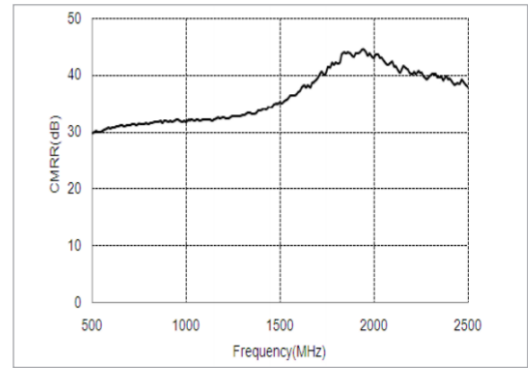
CMRR Characteristics



BW21S7511D01TF
Insertion Loss Characteristics

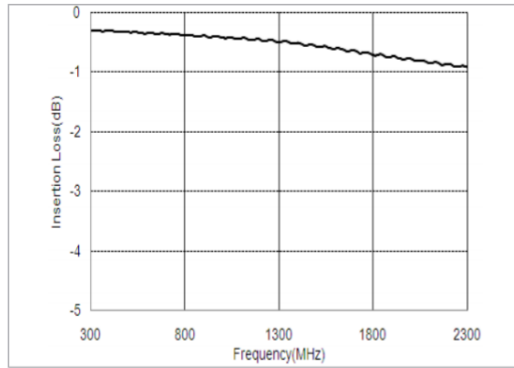


CMRR Characteristics

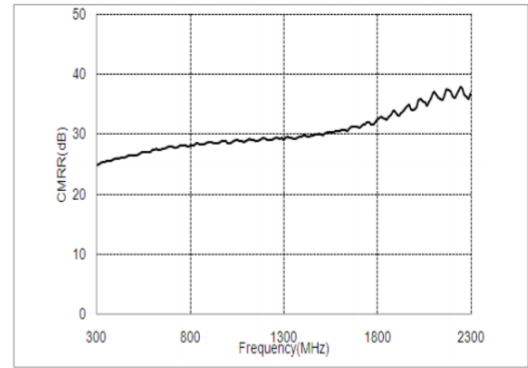


TYPICAL ELECTRICAL CHARACTERISTICS

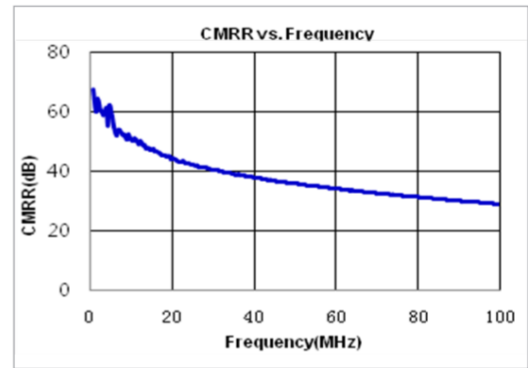
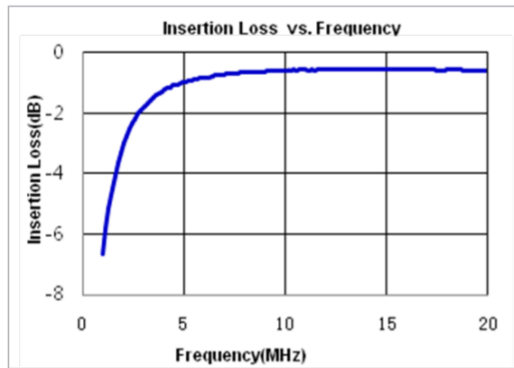
BW21S7511E01TF
Insertion Loss Characteristics



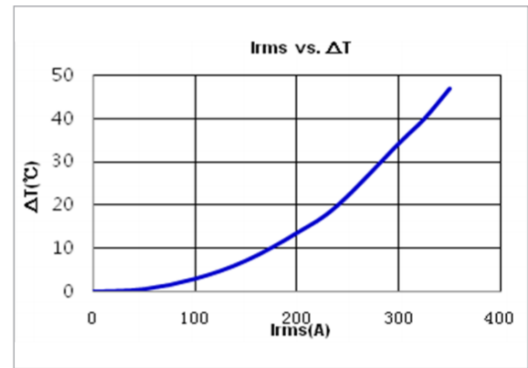
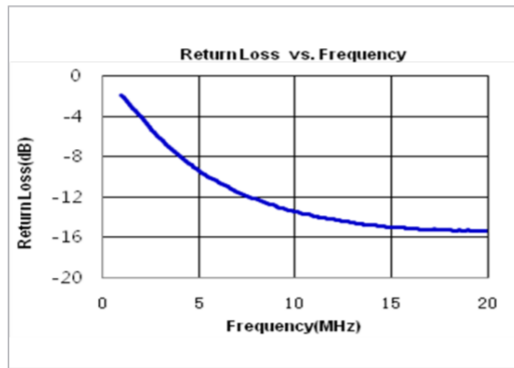
CMRR Characteristics



BW21C2511A01TF



BW21C2511A01TF



BW43S5011C01TF/BW43S5011E01TF

