

# WIDE BAND, RF AND BALUN TRANSFORMERS

ABT-7-XXX



## FEATURES:

- Mini Ceramic Base
- High Reliability
- Extended Temperature
- RoHS Compliance

## OPTIONS:

- Tape and Reel is standard
- Custom design available

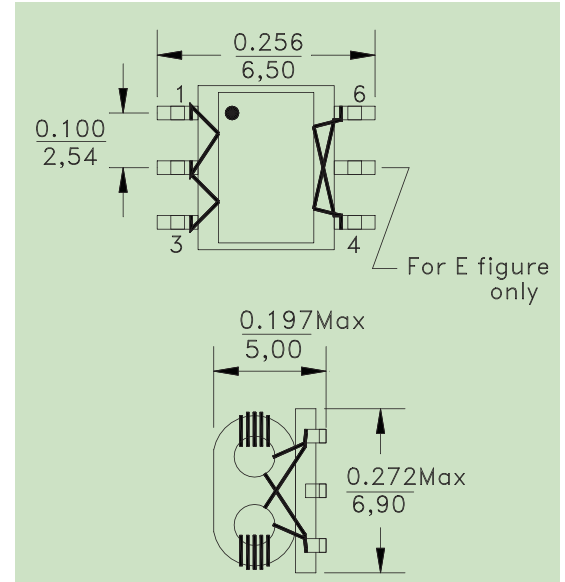
## APPLICATIONS:

- RF, Set Top Box, Cable Modem
- Cable TV, Wide Band RF Applicants
- Balance to Unbalance application
- RF signal monitor point

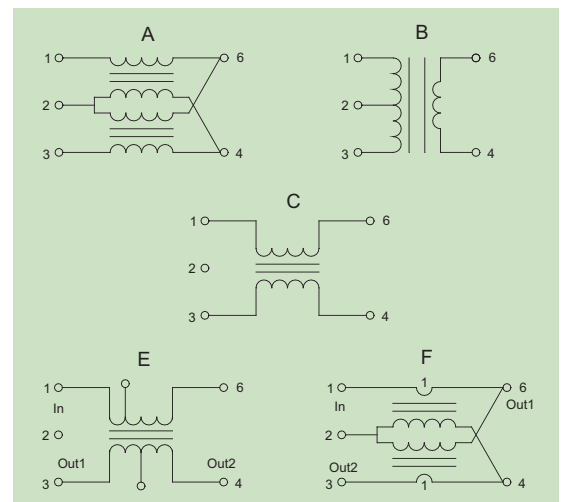
## STANDARD SPECIFICATIONS:

Part No ABT-7-	Turns	Operating Freq. MHz	Insertion Loss dB Max	Figure
<b>Double Balanced Mixer (200Ω:50Ω)</b>				
2A	2½	4-1500	3	A
3A	3½	3.5-1600	3	A
4A	4½	2.5-1500	3	A
5A	5½	5-500	2	A
6A	2½	400-1300	4	A
<b>Frequency Mixer (200Ω:50Ω)</b>				
2B	2:2:2	6-400	3	B
3B	3:3:3	3-350	3	B
4B	4:4:4	2-250	3	B
5B	5:5:5	1-200	3	B
<b>Center Tap Transformer</b>				
6B	6:3:3	0.01-200	3	B
<b>Balun Transformer (50Ω:50Ω)</b>				
2C	2½	2.5-600	3	C
3C	3½	18-1800	3	C
4C	4½	1-1300	3	C
5C	5½	0.8-1300	3	C
<b>Power Distributor/Combiners (50Ω:100Ω)</b>				
2E	1-2:2-3:4-5:5-6 1:3:2:2	6-1800	in-out1,2=5dB out1-out2=13dB	E
3E	1:4:3:3	5-1900	in-out1,2=5dB out1-out2=13dB	E
4E	1:3:2:2	2-1000	in-out1,2=5dB out1-out2=12dB	E
5E	1:4:2:2	2-400	in-out1,2=4dB	E
<b>Directional Coupler (50Ω:50Ω)</b>				
2F	3	3-1000	in-out1, 2dB in-out2, 11dB	F
3F	4	2-1200	in-out1, 1.5dB in-out2, 13dB	F
4F	5	1.5-1000	in-out1, 1.3dB in-ou2t, 15dB	F
5F	6	6-600	in-out1, 1.0dB in-out2, 15dB	F

## OUTLINE DRAWING:



## FIGURE (WIRE CONNECTION):



Dimensions: inch/mm

## TECHNICAL INFORMATION:

- Ordering Code: ABT-XX(Size)-XX(P/N)
- Add-T for tape and reel
- Insulation Resistance: 10MΩ minimum
- See SCD or detail E&M performance
- Operating Temperature: -40°C to +85°C

All specifications subject to change without notice.

ABRACON IS  
ISO 9001 / QS 9000  
CERTIFIED

rev2.1-6/05



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