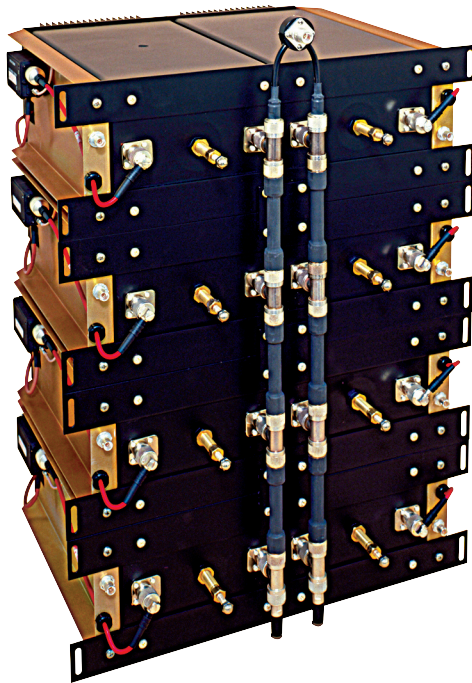


# DB8062F Series

TX Combiner, 2 to 20 Channels

dbSpectra

- More Output Power
- Easy Field Tuning and Expansion
- Broadband Performance
- Compact Packaging
- 2 to 20 Channel Availability
- 150 KHz Tx to Tx Spacing



DB8062F8-B Expansion Combiner

## ORDERING INFORMATION

### Combiner

DB8062F ( ) - B

Number of Channels  
2 to 20 channels

### Expansion Channels

DB8062F ( ) - B

Configuration  
WB = With a Bracket  
WOB = Without a Bracket

Use DB8062FWB-B when expanding to an odd number of channels. Use DB8062FWOB-B when expanding to an even number of channels. Order a combination of WB and WOB models, as needed. When expanding beyond 10 channels, contact dbSpectra for the appropriate junction and configuration.

**IMPORTANT:** On expansion, always specify new frequencies and provide existing frequencies on your request for quotation and orders.

## ELECTRICAL

Frequency Range:	851-869 MHz
Frequency Spacing:	150 KHz (min.)
Input Return Loss:	19 dB (min.)
Isolation, Tx to Tx:	65 dB (min.)
Isolation, Ant to Tx:	50 dB (min.)
Insertion Loss:	See Insertion Loss Table
Power Input:	150 Watts

## MECHANICAL

Temp. Range:	-5° to +60° C
Dimensions (HxWxD):	18" x 19" x 18.25" (For 5 Channel) (457.2 x 482.6 x 463.6 mm)
Connectors:	7-16 DIN or N-Female
Cavity:	Copper
Inner Conductor:	Copper
Tuning Rod:	Invar Material
Finish:	Black
Mounting:	19" Rack
Weight:	47 lbs (21.3 kg) for 5 channel
Shipping Weight:	60 lbs (27.2 kg) for 5 channel



dbSpectra

1590 E. Highway 121, Building A • Lewisville, Texas 75056  
Ph: 469.322.0080 • Fax: 469.322.0079 • www.dbspectra.com

# DB8062F Series

TX Combiner, 2 to 20 Channels

dbSpectra

- More Output Power
- Easy Field Tuning and Expansion
- Broadband Performance
- Compact Packaging
- 2 to 20 Channel Availability
- 150 KHz Tx to Tx Spacing

INSERTION LOSS (Maximum)						
No. of Channels	Channel Separation (dB)					
	1 MHz	0.5 MHz	0.25 MHz	0.2 MHz	0.175 MHz	0.15 MHz
2	2.6	2.8	3.4	4.0	4.2	4.7
3	2.7	2.9	3.5	4.1	4.3	4.8
4	2.7	2.9	3.6	4.2	4.4	4.9
5	2.7	2.9	3.6	4.3	4.5	5.0
6	2.8	3.0	3.7	4.3	4.6	5.2
7	2.8	3.0	3.8	4.4	4.7	5.3
8	2.9	3.1	3.9	4.5	4.8	5.4
9	2.9	3.1	4.0	4.6	4.9	5.5
10	2.9	3.1	4.0	4.6	5.0	5.6
11	3.0	3.2	4.1	4.7	5.1	5.7
12	3.0	3.2	4.1	4.7	5.1	5.8
13	3.0	3.2	4.2	4.8	5.2	5.8
14	3.1	3.3	4.2	4.8	5.2	5.9
15	3.1	3.3	4.2	4.9	5.2	6.0
16	3.1	3.3	4.3	4.9	5.3	6.0
17	3.2	3.4	4.3	4.9	5.3	6.1
18	3.2	3.4	4.4	5.0	5.4	6.1
19	3.2	3.4	4.4	5.0	5.4	6.2
20	3.2	3.4	4.4	5.0	5.4	6.2