

DSCC Series (763-940 MHz)

Transmitter Cavity Combiner, 2-24 Channels

dbSpectra

ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	See Ordering Information
Frequency Separation (kHz)	150
# of Channels	2 to 24
Isolation (min/typ) (dB)	
Transmitter to Transmitter	65
Transmitter to Receiver	>45 at 30 MHz
Antenna to Transmitter	50
Insertion Loss (typ) (dB)	See Insertion Loss chart
Transmitter Return Loss (min) (dB)	21
Power/Channel (Watts)	110

MECHANICAL SPECIFICATIONS

Construction/Finish	Ceramic/Black
Input Connector	N(F)
Output Connector	N(F) or 7/16 DIN(F)
Mounting	EIA 19-inch Rack
Temperature Range (degrees)	-30 to +60 C

DIMENSIONS

Cavity Diameter (in/mm)	5 / 127			
Width (in/mm)	19 / 482.6 (per panel)			
Depth (in/mm)	10.5 / 266.7 (per panel)			
Number of Channels	Height (in/mm)	RU	Net Weight (lb/kg)	Shipping Weight (lb/kg)
2	7 / 177.8	4	10 / 4.5	20 / 9
3	7 / 177.8	4	10 / 4.5	20 / 9
4	14 / 355.6	8	20 / 9	30 / 13.6
5	14 / 355.6	8	20 / 9	30 / 13.6
6	14 / 355.6	8	20 / 9	30 / 13.6
7	21 / 533.4	12	30 / 13.6	40 / 18.1
8	21 / 533.4	12	30 / 13.6	40 / 18.1
9	21 / 533.4	12	30 / 13.6	40 / 18.1
10	28 / 711.2	16	40 / 18.1	50 / 22.7

FEATURES AND BENEFITS

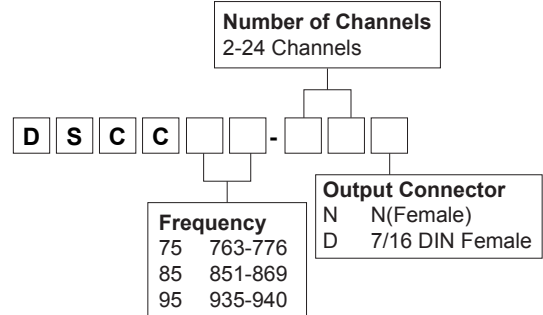
- Low insertion loss.
- 150 KHz transmitter-to-transmitter spacing.
- Dual junction isolator.
- Five-inch cavities with ceramic elements.
- Easy field tuning and expansion.
- Broadband performance.
- Compact packaging.
- 2 to 24 channel availability.

INSERTION LOSS (dB)

Number of Channels	Frequency Separation (kHz)		
	150-250	250-500	500 or greater
2	2.6	2.1	1.9
3	3.0	2.2	1.9
4	3.3	2.4	2.0
5	3.6	2.4	2.1
6	3.7	2.6	2.1
7	3.7	2.6	2.1
8	4.0	2.7	2.2
9	4.0	2.8	2.2
10	4.1	2.8	2.3
11	4.2	2.9	2.4
12	4.4	3.1	2.5
13	4.5	3.2	2.6
14	4.6	3.3	2.7

1.0 dB insertion loss variation over temperature.

ORDERING INFORMATION

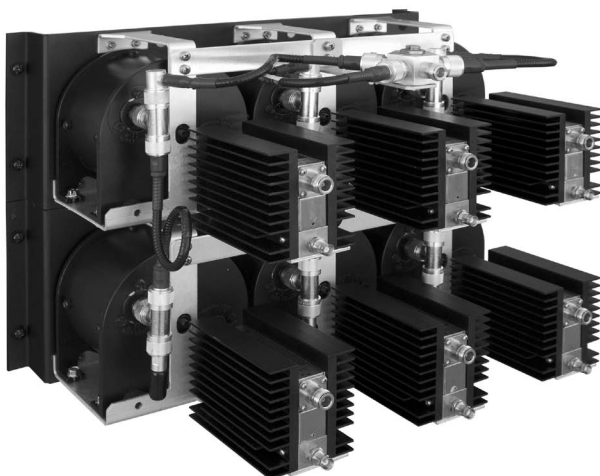


ACCESSORIES

- DSCC__-WB* Expansion channel with bracket
- DSCC__-WOB* Expansion channel without bracket

*When ordering expansion channels, please specify the number of channels desired, new frequencies and provide existing frequencies. For multiple expansion channels please contact dbSpectra Technical Support.

*Tune under power if operating at or below 0°C.



DSCC75-06N