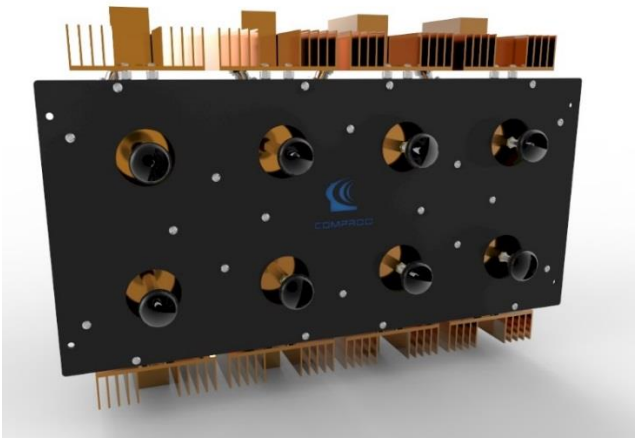
CERAMIC COMBINER 764-941 MHz

Star Junction Ceramic Combiner

Our Ceramic Combiner uses dielectric resonator technology to offer higher performance than standard RF cavities in a much smaller package. It combines 8 channels in only 8.5" of standard 19" rack space. The resonator allows combining of transmitters at a frequency spacing as close as 150 kHz. Lower insertion loss per channel is another result of the sharper filtering performance. Expandable in individual channel increments. Available in Star or X-Pass (expandable) configuration.

- Available for the 764-776, 851-869 and 935-941 MHz bands
- Designed for tight channel spacing
- Lowest insertion loss, high isolation for maximum coverage and reduced interference
- Star Configuration
- Compact, robust design for rapid installations, increased mobility and ease of maintenance

Electrical Specifications	
Frequency Range, MHz	764-776, 851-869 & 935-941
Frequency Spacing, Min.	150 kHz
Temperature Range, °C	-35 to +60
TX to TX Isolation at Minimum Frequency Spacing of 150 kHz	65 dB min (double junction isolator)
ANT to TX Isolation	60 dB min (double junction isolator)
Insertion Loss	1.8 dB – 4 Ch. at 500 kHz 2.5 dB – 16 Ch. at 500 kHz 3.8 dB – 24 Ch. at 500 kHz
Power Input / Channel (Watts)	125
Transmitter Input VSWR (max)	1.25:1
Mechanical Specifications	
Dimensions (HWD), in (mm)	14 x 8.5 x 19 (356 x 216 x 483)
Weight, lb (kg)	8-Channel system 62.17 (28.2)
* See next page for ordering information (page 3)	



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CERAMIC COMBINER 764-941 MHz

X-Pass Ceramic Combiner

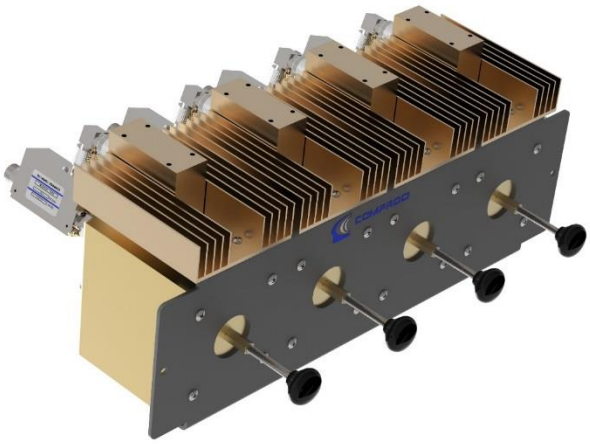
Our Ceramic Combiner uses dielectric resonator technology to offer higher performance than standard RF cavities in a much smaller package. It combines 4 channels in only 7.75" of standard 19" rack space. The resonator allows combining of transmitters at a frequency spacing as close as 150 kHz. Lower insertion loss per channel is another result of the sharper filtering performance.

Expandable in individual channel increments. Available in Star or X-Pass (expandable) configuration.

- Available for the 764-776, 851-869 and 935-941 MHz bands
- Designed for tight channel spacing
- Lowest insertion loss, high isolation for maximum coverage and reduced interference
- Easy field expandability with X-Pass technology - one channel at a time
- Compact, robust design for rapid installations, increased mobility and ease of maintenance

Electrical Specifications	
Frequency Range, MHz	764-776, 851-869 & 935-941
Frequency Spacing, Min.	150 kHz
Temperature Range, °C	-35 to +60
TX to TX Isolation at Minimum Frequency Spacing of 150 kHz	65 dB min (double junction isolator)
ANT to TX Isolation	60 dB min (double junction isolator)
Insertion Loss	1.8 dB – 4 Ch. at 500 kHz 2.5 dB – 16 Ch. at 500 kHz 3.8 dB – 24 Ch. at 500 kHz
Power Input / Channel (Watts)	125
Transmitter Input VSWR (max)	1.25:1
Mechanical Specifications	
Dimensions (HWD), in (mm)	7.75 x 19 x 14 (197 x 483 x 356)
Weight, lb (kg)	4-Channel system 32 (15)

* See next page for ordering information (page 3)



ORDERING INFORMATION

STAR CONFIGURATION CERAMIC COMBINERS

Page 1

DRC	-	FF	-	XX	N or D
DRC	Dielectric Resonator Star Configuration				
FF	Frequency band: 76=764-776 85=851-869 93=935-940				
XX	Number of Channels				
N or D	Type of Connector N = N Female Connectors D = DIN Connectors				

Example: Model # DRC-85-08D

Star Configuration Ceramic Combiner, 851-869 MHz, 8 Channel DIN Connectors

X-PASS CONFIGURATION CERAMIC COMBINERS

Page 2

DRXC	-	FF	-	XX	N or D
DRXC	Dielectric Resonator X-Pass				
FF	Frequency band: 76=764-776 85=851-869 93=935-940				
XX	Number of Channels				
N or D	Type of Connector N = N Female Connectors D = DIN Connectors				

Example: Model # DRXC-76-04N

X-Pass Ceramic Combiner, 764-776 MHz, 4 Channel N Connectors

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