

## CERAMIC COMBINER

764-776, 851-869 & 935-941 MHz

### X-Pass Ceramic Combiner

Comprod Inc.'s 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)



<b>DRXC</b>	-	<b>FF</b>	-	<b>XX</b>	<b>N</b>
<b>DRXC</b>	Dielectric Resonator X-Pass				
<b>FF</b>	Frequency band: 76=764-776 85=851-869 93=935-941				
<b>XX</b>	Number of Channels				
<b>N</b>	N Female Connectors				

**Example: Model # DRXC-85-04N**

Ceramic Combiner, 851-869 MHz, 4 Channel N Connectors