

EXPANDABLE TX COMBINER 80 SERIES

746-960 MHz

X-PASS EXPANDABLE TX COMBINER 80 SERIES

The 80 Series 8" Cavity Transmit Combiner features X-Pass, plug-and-play technology and is fully expandable and reconfigurable. These combiners are designed to offer engineers and technicians many options when designing or upgrading a site.



Electrical Specifications	80-FF-8XILPI
Frequency Range, MHz	Call for Information
Frequency Separation, Khz	200 min
Number of Channels	1 to 6+
Isolation, dB TX to TX @ 200k sep. ANT to TX @ 600k sep.	(S)40 (D)70 (S)30 (D)60
Insertion Loss	Insertion Loss Chart
TX input Return Loss, dB	1.25:1 min
Power / Channel, Watts	(L)60 / H(100)

Mechanical Specifications	
Construction / Finish	Aluminum/Gold/Black
Input Connector	N-Female
Mounting	EIA standard 19"
Temperature Range, °C	-30 to +60

Dimensions		
Cavity Diameter, in (mm)	8 (203)	
Width, in (mm)	19 (483)	
Depth, in (mm)	UHF 16.5 (419) 700-900MHz 21 (534)	
Height, in (mm)	8.7 (221)	
Number of Channels (Single Cavity)	Height Rack Unit	Net Weight lbs (kg)
1	5	11 (5)
2	5	22 (10)
3	10	33 (15)
4	10	44 (20)
5	15	55 (25)
6	15	66 (30)

UHF 100 WATT TYPICAL INSERTION LOSS, dB			
Number of Channels	Frequency Separation (kHz)		
	200	400	600 and +
2	4.0	3.0	2.8
3	4.3	3.2	2.85
4	4.6	3.3	2.95
5	4.8	3.4	3.0
6	5.1	3.5	3.15

UHF 60 WATT TYPICAL INSERTION LOSS, dB (TX to TX Separations under 400kHz, please use a 100 Watt unit, that spacing requires an external			
Number of Channels	Frequency Separation (kHz)		
	200	400	600 and +
2	Use 100W	3.0	2.8
3		3.2	2.85
4		3.3	2.95
5		3.4	3.0
6		3.5	3.15

700-900MHz 100 Watt Typical Insertion Loss, dB			
Number of Channels	Frequency Separation (kHz)		
	200	500	800 and +
2	3.5	2.5	2.2
3	4.2	3.0	2.4
4	4.5	3.4	2.5
5	4.8	3.6	2.6
6	5.3	3.7	2.8