

BANDPASS/NOTCH COMBINERS

1 NOTCH, 1-3 PASS CAVITIES

Telewave Pass-Notch Combiners offer excellent performance, and several unique characteristics. There are no critical cable lengths between combining elements, and additional frequencies can be added without retuning the entire system. Installation is simplified and off-air time is minimized. Splitting of transmitter and receiver systems is not necessary.

Each combiner consists of a 8" diameter notch cavity and one to three 8" pass cavities. A cavity-mounted dual isolator is recommended to suppress intermodulation and third

harmonics. The notch cavity performs the function of a steering device to maintain proper energy flow in the combining network. The pass cavities form a highly selective filter which effectively isolates each node. The nodes are arranged in ascending order, with the highest frequency nearest the antenna.

Contact Telewave for complete engineering assistance with your system.



M101-150-1T-3PN
WITH OPTIONAL DUAL
ISOLATOR

SPECIFICATIONS			
Frequency ranges	M101-70-xx	66-88 MHz	
	M101-150-xx	136-174 MHz	
	M101-450-xx	400-512 MHz	
Insertion loss	0.5 - 3.0 dB (adjustable)		
Impedance	50 ohms		
VSWR (max)	1.5:1		
Input power (max) (without isolators)	350 watts at 1.7 dB insertion loss 150 watts at 3.0 dB insertion loss		
Cavity size	8" diameter		
Temperature	-30°C to +60°C		
Size (HWD) in.	M101-70-xx	53 x 19 x 8.5 / 17 (2PN, 3PN)	
	M101-150-xx	22 x 19 x 8.5 / 17 (2PN, 3PN)	
	M101-450-xx	16 x 19 x 8.5 / 17 (2PN, 3PN)	
Weight lb.	M101-70-1T	-1PN	24
		-2PN	35
		-3PN	46
	M101-150-1T	-1PN	17
		-2PN	25
		-3PN	33
	M101-450-1T	-1PN	12
		-2PN	17
		-3PN	20