

MWT Series

Tunable Notch Traps



○ Features & Benefits

- Low Insertion Loss
- VHF and UHF Tunable Notch Traps
- Ideal for Eliminating Interference from Off-Air Antennas
- Rugged Die-Cast Housing with Mast and Flat Surface Mount Ability

The MWT Series are professional quality, tunable notch traps. These units are designed to trap a very narrow band of frequencies while passing the rest of the band with very low insertion loss. Two tunable traps are employed which can be tuned to the same frequency to provide up to 60 dB of attenuation. The MWT Series can be used in conjunction with an off-air antenna feed to eliminate interference (i.e. adjacent channels). The MWT Series features a rugged die cast housing and can be mast or flat surface mounted.

○ Specifications

RF	MWT-2b	MWT-3b	MWT-4	MWT-U
Frequency Range MHz				
Trap Tuning:	54-108	174-216	108-174	470-890
Bandpass:	54-216	54-216	54-300	54-890
Insertion Loss (Max) - Outside Notch dB				
54-108 MHz:	1.0	1.0	1.0	1.5
108-174 MHz:	1.0	1.0	1.0	1.5
174-216 MHz:	1.0	1.0	1.0	1.5
470-890 MHz:	NA	NA	NA	0.5
Notch Depth - Maximum dB:	60	60	60	60
Notch Depth Range dB:	0.5-40	0.5-40	0.5-40	NA
Notch Width dB vs. Freq.:	-3 (1.9 MHz) -30 (120 kHz) -40 (45 kHz) -30 (400 kHz)	-3 (2.0 MHz) -30 (100 kHz) -40 (35 kHz) -40 (100 kHz)	-3 (2.0 MHz) -30 (100 kHz) -40 (35 kHz)	-3 (10 MHz) -12 (3 MHz) -20 (1.8 MHz)
Impedance - All Ports ohm:	75	75	75	75
Return Loss - Input & Output dB				
54-108 MHz:	20	20	20	10
108-174 MHz:	20	20	20	10
174-216 MHz:	20	20	20	10
470-890 MHz:	NA	NA	NA	15
General				
Power Passing Ability:	NO	NO	NO	YES
Voltage VAC:	NA	NA	NA	100
Frequency Hz:	NA	NA	NA	0-60
Current A:	NA	NA	NA	6
Controls (Front Panel)				
Trap Coarse & Fine Tune:	Controls	Controls	Controls	Controls
Trap Depth:	Control	Control	Control	NA
Mechanical				
Dimensions (LxWxD):	6.38 x 2.75 x 3.25 in (162 x 70 x 83) mm			
Weight:	1.5 lbs, (0.68 kg)			
Connectors (Front Panel)				
RF Input & Output:	"F" Type Female			

○ Ordering Information

Model	Stock No.	Description
MWT-2b	4505	Tunable Notch Trap 54-108 MHz
MWT-3b	4529	Tunable Notch Trap 174-216 MHz
MWT-4	4898	Tunable Notch Trap 108-174 MHz
MWT-U	4614	Tunable Notch Trap 470-890 MHz

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