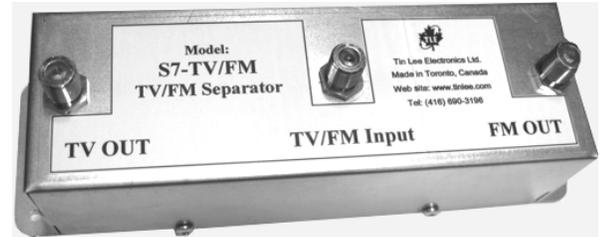




S7-TV/FM

Model S7-TV/FM is a high quality, broadcast TV/FM band separator/combiner. It is a combination low loss FM bandpass and sharp skirt FM bandstop with a common TV/FM port. FM bandpass blocks TV signals from FM system; FM bandstop blocks FM signals from TV system (see graphs FM and TV ports). TV/FM Input pass all signals 40 to 800 MHz. S7-TV/FM is available in two versions: S7-TV/FM for TV systems without ch.6; S7-TV/FM/6 is for TV system that include ch.6 (S7-TV/FM/6 has narrowed bandpass and bandstop (92-108 MHz to pass ch.6)).

- S7-TV/FM separation loss is -1dB compared to RF splitter loss with -3.5dB loss
- S7-TV/FM provides frequency separation of FM or TV bands to isolate desired signal



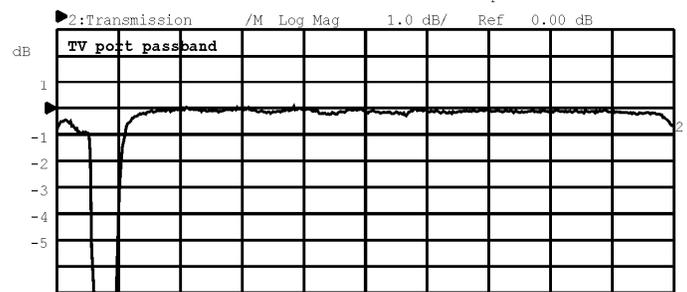
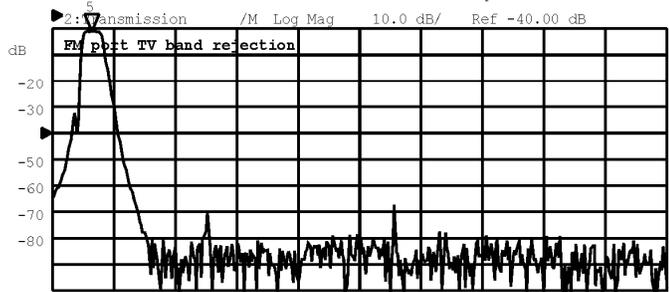
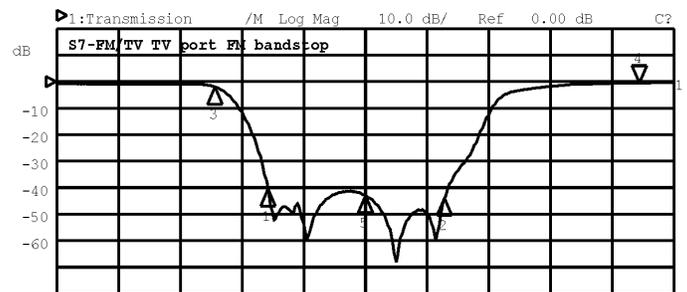
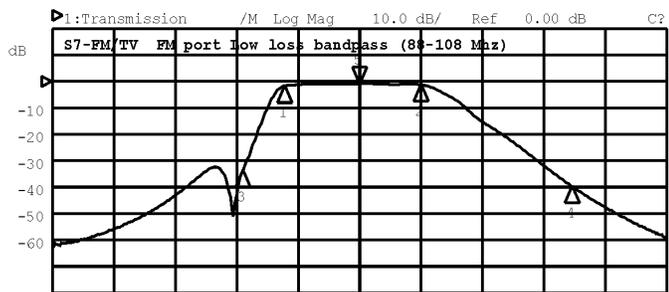
S7-TV/FM

Order as: S7-TV/FM, or S7-TV/FM/6

Available in 50 ohms impedance with BNC N, SMA connector types.—Affix B50, N50, or S50 for 50 ohms connectors, e.g., S7-TV/FM B50

SPECIFICATIONS

S7-TV/FM (S7-TV/FM/6)	TV Port	FM port
Thru Loss: 1dB, 2 dB @ edges	54-82 (50-88) MHz, 130–800 MHz	88-108 MHz (or 92-108 MHz)
Stopband >40 dB	88-108 MHz (or 92-108 MHz)	50-82 (or 88) MHz, 130–800 MHz
Return Loss	16 dB	16dB
Isolation between TV/FM	>35 dB rejection of FM band	>30 dB (>55 dB 140-1000 MHz)
Connectors / Impedance	75 ohms Female (BNC option); Optional: 50 ohms: BNC, N,SMA	
Dimensions (in)	7.5L x 3.25W x 1.75H	Weight: 1 lb
Operating Temp (Celsius)	-10 to +50	



1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1: 88.0000	-1.719		
2: 108.0000	-1.189		
3: 82.0000	-33.295		
4: 130.0000	-39.399		
5> 99.0000	-0.900		

FM Port

1:Mkr (MHz)	dB	2:Mkr (MHz)	dB
1: 88.0000	-40.676		
2: 108.0000	-44.244		
3: 82.0000	-2.019		
4> 130.0000	-0.528		
5: 99.0000	-42.961		

TV Port

