



Type 110.311

- **General:** This filter is utilized to assist in the prevention of problems that could occur when two or more FM Transmitters are installed in the same place and to prevent intermodulation products. Each one is tuned at the operating frequency of the input transmitter. The parallel connection contains a well determined length to provide an adequate isolation between the transmitters.
- **Filtering:** The specific purpose of band pass filters is cutting off all the frequencies except the one tuned on the filter with the lowest insertion loss.

ELECTRICAL SPECIFICATIONS

Frequency Range	87.5 - 108 MHz
Bandwidth (-3 dB)	800 KHz
Impedance	50
Connector	1 5/8" EIA
Max. Power	10 kW
VSWR	< 1.05
Typical insertion loss	0.5 dB

MECHANICAL SPECIFICATIONS

Material:	
External	Silver plated Brass, PTFE
Internal	Aluminium
Color (primed and painted)	Gray
Weight	80 kg
Temperature range	-10 C 50 C
Dimensions	810x500x1200 mm
Packing	900x650x1350 mm

Star Point FM Combining Filters

Type	Input Transmitters	Connector		Insertion loss	Maximum Power per Transmitter (kW)
		Input	Output		
110.104	2	7/8" EIA (7/16 DIN, N(f))	7/8" EIA	0.4	1
110.105	3	7/8" EIA (7/16 DIN, N(f))	7/8" EIA	0.4	1
110.106	4	7/8" EIA (7/16 DIN, N(f))	7/8" EIA	0.4	1
110.107	2	7/8" EIA	1 5/8" EIA	0.4	2.5
110.108	3	7/8" EIA	1 5/8" EIA	0.4	2.5
110.109	4	7/8" EIA	1 5/8" EIA	0.4	2.5
110.110	2	1 5/8" EIA	1 5/8" EIA	0.4	5
110.111	3	1 5/8" EIA	1 5/8" EIA	0.4	5
110.112	4	1 5/8" EIA	1 5/8" EIA	0.4	5
110.113	2	1 5/8" EIA	3 1/8" EIA	0.4	10
110.114	3	1 5/8" EIA	3 1/8" EIA	0.4	10
110.115	4	1 5/8" EIA	3 1/8" EIA	0.4	10