

# FM Constant Impedance Combiner

BAND II

10 year GUARANTEE

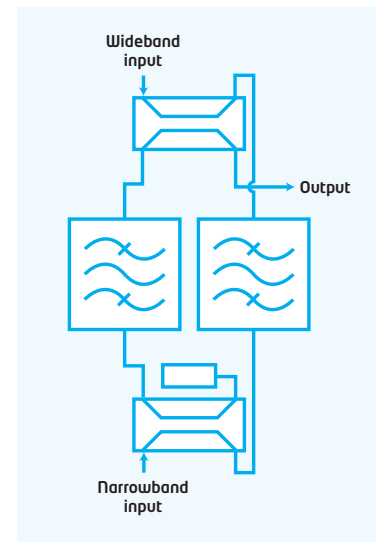
## 60 kW, 3 Cavities

### PRODUCT FEATURES

- Flexible modular design
- Low insertion loss
- Retunable
- 800kHz channel spacing

### PRODUCT PROFILE

This balanced FM combiner employing broadband hybrids and FM tunable filters enable the combining of FM transmitters up to 60 kW with a total output power of up to 150kW. If you have demands on low losses with close frequency allocation this is the right product.



ARTICLE	COM2-3BPF-AA00	COM2-3BPF-AB00	COM2-3BPF-AC00
<b>FREQUENCY</b>	87 - 108 MHz	87 - 108 MHz	87 - 108 MHz
<b>IMPEDANCE</b>	50 Ohm	50 Ohm	50 Ohm
<b>NARROWBAND INPUT</b>			
<b>MAXIMUM INPUT POWER</b>	60 kW	60 kW	50 kW
<b>INPUT VSWR</b>	<1.07 (>30 dB)	<1.07 (>30 dB)	<1.07 (>30 dB)
<b>INPUT CONNECTOR</b>	RL98	RL98	RL98
<b>INSERTION LOSS</b>			
Centre frequency	<0.15 dB	<0.15 dB	<0.15 dB
±200 kHz	<0.15 dB	<0.15 dB	<0.15 dB
<b>WIDEBAND INPUT</b>			
<b>INPUT VSWR</b>	<1.07 (>30 dB)	<1.07 (>30 dB)	<1.07 (>30 dB)
<b>INPUT CONNECTOR</b>	RL98	EIA 6 1/8" unflanged	RL98
<b>INSERTION LOSS</b>			
±1.5 MHz	<0.20 dB	<0.20 dB	<0.20 dB
±3.0 MHz	<0.10 dB	<0.10 dB	<0.10 dB
<b>ISOLATION</b>			
<b>NARROWBAND - WIDEBAND</b>	>36 dB	>36 dB	>36 dB
<b>WIDEBAND - NARROWBAND</b>			
±1.5 MHz from narrowband Cf	>50 dB	>50 dB	>50 dB
±3.0 MHz from narrowband Cf	>65 dB	>65 dB	>65 dB
<b>MIN CHANNEL SPACING</b>			
Lower spacing on request	1.5 MHz	1.5 MHz	1.5 MHz
<b>MAXIMUM OUTPUT POWER</b>	60 kW	150 kW	60 kW
<b>OUTPUT CONNECTOR</b>	RL98	EIA 6 1/8" unflanged	RL98
<b>DIMENSIONS</b>			
L x W x H	2020 x 1100 x 1770 mm ( 79.5 x 43.3 x 69.7 in)	2020 x 1100 x 1770 mm ( 79.5 x 43.3 x 69.7 in)	2020 x 1100 x 1770 mm ( 79.5 x 43.3 x 69.7 in)
<b>WEIGHT</b>	525 kg ( 1157 lb)	525 kg ( 1157 lb)	525 kg ( 1157 lb) Aluminum resonator