Branched FM Combiners Star Point Series Filter Type 2P200

Product Description

The branched or star point combiner range utilizes bandpass filters connected to a common output. This arrangement provides a lower cost alternative to the balanced design while retaining the advantages of the RFS bandpass filter range.

Features/Benefits

- 2, 3 and 4 channel versions available as standard
- Additional channels can be added using balanced combiner modules
- Compact size for given power rating
- Fixed coupling aperture for maximum reliability and ease of tuning
- Vertical entry and exit without additional elbows
- 2 and 3 pole versions standard
- Natural convection cooling
- Invar temperature compensation
- 4 filter sizes for 500W, 1kW, 6kW and 12.5kW transmitter output powers
- Higher powers may be possible, please consult RFS for further information
- Shipped in “knock down” condition for ease of handling through standard doors and elevators
- Custom options such as patching facilities and power monitoring are available

Technical Specifications

Product Line	Combiner Radio
Product Type	Band II (VHF) FM Branched Combiner
Frequency Range, MHz	87.5 - 108
Channel Spacing	2.4 MHz, 1.6 MHz reduced spec
Narrowband Input Power (maximum), kW Average	2
Output Power (maximum), kW Average	6
Number of Channels	3
Filter Style	2 Pole
Impedance, ohms	50 unbalanced
Narrowband Input Connector	7/8" EIA; 1-5/8" EIA
Narrowband Insertion Loss at Channel Centre Frequency, dB	35
Narrowband Input Return Loss, dB	> 26 +/-120kHz
N'band Input Group Delay variation over Channel Bandwidth, nsec	< 40 to +/- 100 kHz
Intermod Spurs (10dB Tx Conversion Loss), dB	< -80 at min channel spacing
Output Connector	1-5/8" EIA
Narrowband to Narrowband Isolation, dB	> 35 at min channel spacing
Amplitude Variation, dB	< 0.1 to +/- 120kHz
Weight, kg (lb)	35 (77) /Channel
Dimensions (Height or Length), cm (in)	140.0 (55) /channel
Dimensions (Width), cm (in)	60.0 (24) /channel
Dimensions (Depth), cm (in)	30.0 (12) /channel

Notes

Other Documentation

All information contained in the present datasheet is subject to confirmation at time of ordering

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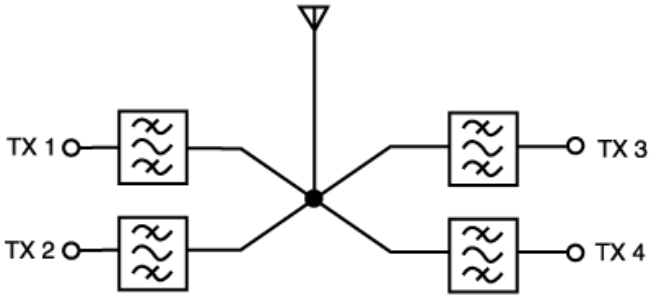

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