



Broadcast Division

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MID POWER COAXIAL SPLITTERS

Fiplex PSC Series of power splitters are passive devices designed in a coaxial configuration.

Two, three and four output ports models available.

N and DIN 7/16 type connectors as standard, other types available upon request.

Power handling capability up to 500W (CW).



RF DIRECTIONAL COUPLERS

Fiplex RSA Series of RF Directional Couplers are passive devices designed to provide unequal power distribution to the output ports.

Due to the internal configuration, these devices have a low VSWR value in all ports (less than 1.3:1, based on 50 ohms characteristic impedance) and low incidental insertion loss.

Standard coupling values are 6dB, 10dB, 15dB, 20dB and 30dB, other power ratios available upon request.

Direct input power up to 300 W.



RF LOADS / TERMINATIONS

Fiplex LD Series of RF Loads / Terminations are passive devices designed in a coaxial configuration.

Nominal impedance is 50 ohms, with 1.10:1 max VSWR over the 1-1000MHz range.

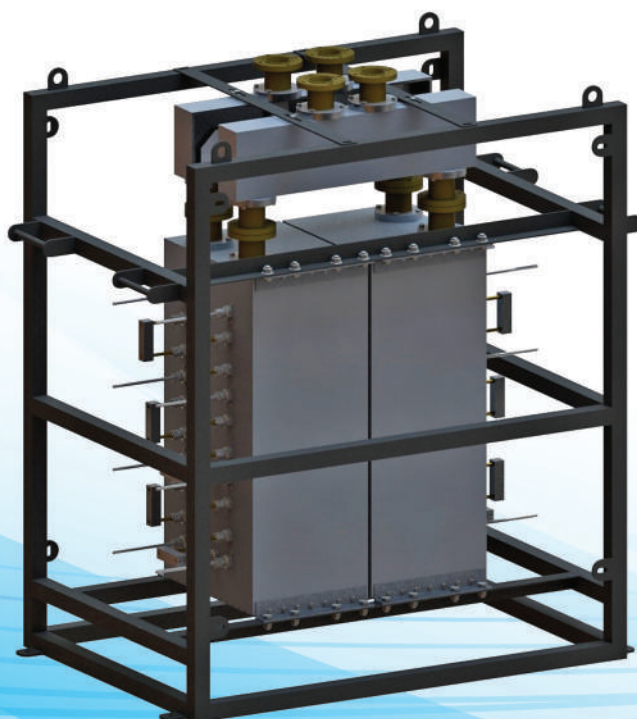
Power levels start at 100mW, up to 400W.

N type connectors as standard, other types available upon request.



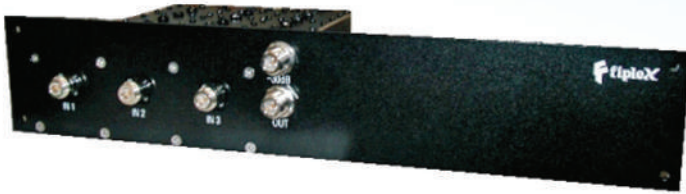
DIGITAL TV HIGH POWER COMBINERS

- Critical mask
- Non critical mask



DIGITAL TV MID POWER STAR POINT COMBINERS

- Two, three or four channels combiner.
- DVB, ATSC and ISDB critical and non critical mask.
- Low insertion loss.
- High port-to-port isolation.
- One guard channel required.
- Output monitor probe.
- High temperature range.



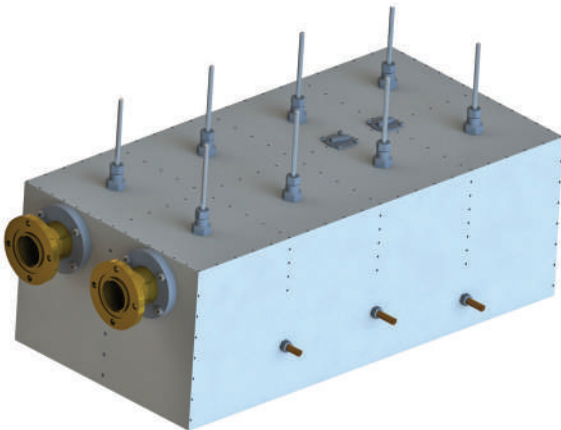
DIGITAL TV HIGH POWER CONSTANT IMPEDANCE COMBINERS

- DVB, ATSC and ISDB critical and non critical mask.
- Low insertion loss.
- High port to port isolation.
- Cross coupled filters.
- High temperature range.



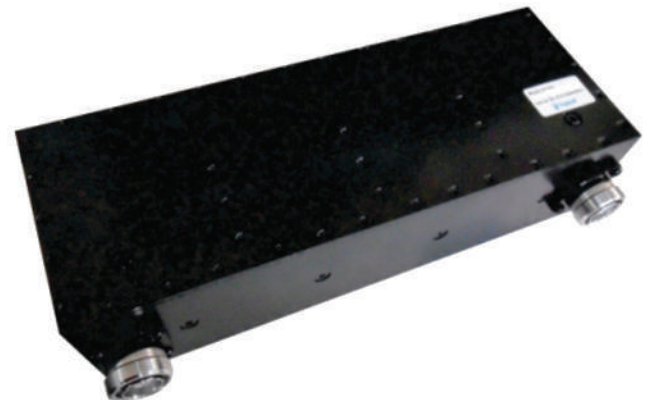
DIGITAL TV MID POWER BAND PASS FILTERS

- No Mask, DVB, ATSC and ISDB critical and non critical mask.
- Low insertion loss.
- Output monitor probe.
- High temperature range.
- Power input: 1KW max.



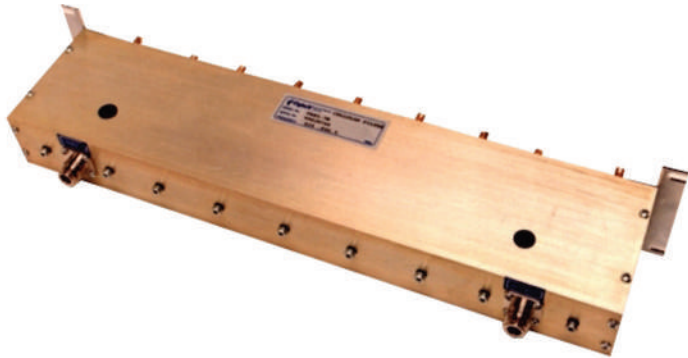
DIGITAL TV MID POWER BAND PASS FILTERS

- DVB, ATSC and ISDB critical and non critical mask.
- Low insertion loss.
- Output monitor probe.
- High temperature range.
- Power input: 2KW max.



DIGITAL TV LOW POWER BAND PASS FILTERS

- DVB, ATSC and ISDB critical and non critical mask.
- Low insertion loss.
- Output monitor probe.
- High temperature range.
- Power input: 300W max.



DIGITAL TV MID POWER CONSTANT IMPEDANCE COMBINERS

- DVB, ATSC and ISDB critical and non critical mask.
- Low insertion loss.
- High port to port isolation.
- One guard channel required.
- Output monitor probe.
- High temperature range.



TV BAND PASS FILTERS

- No Mask, DVB, ATSC and ISDB critical and non critical mask.
- Low insertion loss.
- Output monitor probe.
- High temperature range.



FM HIGH POWER BAND PASS FILTERS

- Low cost.
- High selectivity.
- Low insertion loss.
- Good return loss.



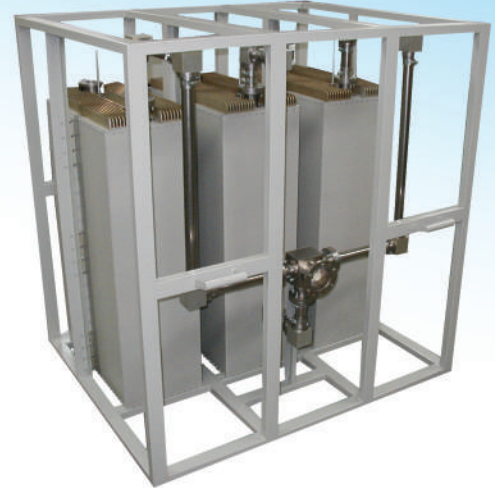
FM CONSTANT IMPEDANCE TRANSMITTER COMBINERS

- Constant Impedance branching devices used to combine two FM channel on a single antenna port.
- Additional FM channels can be added, by using a similar combiner in series with the first one.
- 3dB hybrids that provide broadband response and low incidental insertion loss.
- Band Pass are high Q combine cavities.
- Good thermal stability.
- Low insertion loss.
- Dual cavity models are available for minimum channel separation of 1,60 MHz.
- Triple cavity models are available for minimum channel separation of 0,80 MHz.
- Mounting frame is provided with thermal converted paint.



FM STAR POINT TRANSMITTER COMBINERS

- Star Point branching devices used to combine two or more FM channel on a single antenna port.
- High Q band pass cavities.
- Good thermal stability.
- Low insertion loss.
- Dual cavity models are available for minimum channel separation of 3.00 MHz.
- Triple cavity models are available for minimum channel separation of 2.1 MHz counting.
- Mounting frame is provided with thermal converted paint.



BROADBAND FERRITE ISOLATORS

- Broadband response, direct and reverse.
- Dual junction versions.
- Low insertion loss.
- Low ripple (<0.2dB).
- Reverse isolation > 40dB.
- Temperature compensated.
- N female connectors.



LOW NOISE AMPLIFIERS

Fiplex SB Series are A class small signal amplifiers, pHEMT technology, designed to increase the power level of received signals.

These amplifiers are designed to amplify multiple carrier signals with very low I.M. Generation and low noise figure. Compatible with analog, digital and analog + digital systems.

Fixed and variable gain models available.



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Fiplex Communications, Inc. develops, designs and manufactures a wide line of passive and active products for the Telecommunications Industry, which includes standard and customized solutions.

Our product line offers solutions for site equipment, coverage enhancement and RF conditioning, from 25MHz to 2.5GHz, to be applied in:

- Conventional Two Way Radio systems
- Trunked radio systems like P25, TETRA, iDEN, TETRAPOL, MPT1326, among others.
- Cellular systems like GSM, GPRS/EDGE, CMDA, 1X, WCDMA, HSDPA
- TV and FM, analog and digital

Our main goal is the total customer satisfaction, based on a high quality product commitment. Combined with our engineering experience and reputation, we become one of the most important high tech manufacturer for private and public sectors, such as military, police and civil defense.

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