

Triple Passive Splitter

FEATURES

- Triple 2 way RF splitters.
- Operates in the frequency range of 0.25 MHz to 300 MHz.
- Suitable for 34/45/270 Mb/s data rates.
- No power required – totally passive.
- Connections made by BNC connectors.
- For mounting in an openGear® frame.

GENERAL

The IRT-6100-DDF is a triple channel 2 way RF splitter in a standard 2 RU openGear format. It is primarily intended for use as a passive splitter for splitting data streams.

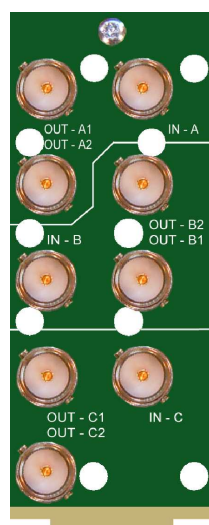
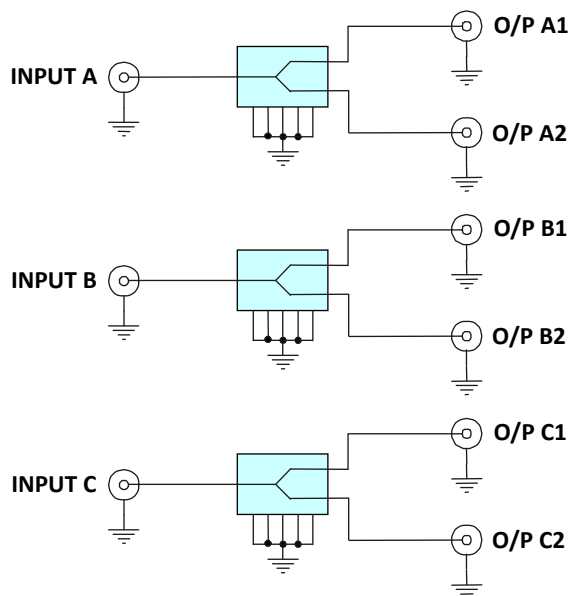
Each of the RF splitters is rated for 250 kHz to 300 MHz operation and is suitable for 34, 45 or 270 Mb/s data rates.

The IRT-6100-DDF is a passive unit that requires no power to operate.

The IRT-6100-DDF comes as a rear connector panel comprising of 75Ω BNC input and output connectors.

The IRT-6100-DDF is designed to fit the openGear® standard 2RU frames which allow a mixture of cards from various manufacturers to be mounted within the same frame.

BLOCK DIAGRAM IRT-6100-DDF SIGNAL PATH



Standard
Rear Assembly
(IRT-6100-DDF)

TECHNICAL SPECIFICATIONS

Input / Output:

Number	3 (one input & two outputs per channel)
Type	75 Ohm.
Format	Passive 2 way split.

Performance:

Frequency range	0.25 to 300 MHz.
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Isolation

0.25-2.5 MHz	> 15 dB;
2.5-150 MHz	> 15 dB;
150-300 MHz	> 15 dB.

Insertion loss above 3 dB

0.25-2.5 MHz	< 0.75 dB;
2.5-150 MHz	< 2.0 dB;
150-300 MHz	< 2.0 dB.

Phase unbalance

0.25-2.5 MHz	< 2.0°;
2.5-150 MHz	< 3.0°;
150-300 MHz	< 5.0°.

Amplitude unbalance

0.25-2.5 MHz	< 0.15 dB;
2.5-150 MHz	< 0.2 dB;
150-300 MHz	< 0.3 dB.

Maximum power dissipation	1 W.
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Connectors:	BNC.
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Power requirement:	Nil – totally passive.
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Other:

Temperature range	0 - 50° C ambient.
Mechanical	Suitable for mounting in an openGear® 2RU rack chassis.
Dimensions (openGear® standard)	33.6 mm x 2U.

Ordering	IRT-6100-DDF	IRT-6100-DDF, rear connector assembly.
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