



COMPACT DFD RECEIVER

GENERAL DESCRIPTION

Compact DFD Receiver receives radar signals across 2 GHz to 18 GHz spectrum and instantly generates digital outputs using LVDS interface. These outputs are 14 bit resolutioned frequency, 1-bit data valid (load data) and also customised solutions can be provided.

The DFD Receiver can use external and internal clock through which the LVDS signals are generated.

Systems can be enhanced with switch multiplexer filters for eliminating undesired signals. These systems can also be stacked to be used in multi channel applications for DF capability.

KEY SPECIFICATIONS

- Ultra Compact
- High Precision & High Resolution
- PDW Generation (Optional)
- MIL-STD-810G Compatible
- User Friendly Interface
- Excellent SwaP (Size/Weight/Power)
- Ultra Fast Response

BENEFITS

- Low SWaP
- Ideal for miniature electronic support applications
- Suitable for deployment in small unmanned platforms

COMPACT DFD RECEIVER



Dimensions (cm)

15.2 x 14.7 x 3.0



Weight (g)

1060



Frequency Band

2 - 18 GHz



Instantaneous Bandwidth

16 GHz



Frequency Sensitivity

1 MHz



Frequency Precision

≤ 3 MHz RMS



Dynamic Range

65 dB (-55, +10 dBm)



Min. Pulse Width

50 ns



Max. Pulse Width

CW



PW Precision

10 ns



Clock Capabilities

External clock (50 MHz , 100 MHz)
Customised Internal Clock



Operating Power

600 mA @ 12 V DC



Operating Temperature

-40 °C to +80 °C



RF Connector

SMA Female



Data Connector

Micro-D 15 Pin Female
Micro-D 51 Pin Female

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