



Planar Monolithics Industries, Inc.

Offering State-Of-The-Art RF and Microwave Components
& Integrated Assemblies From DC to 40GHz

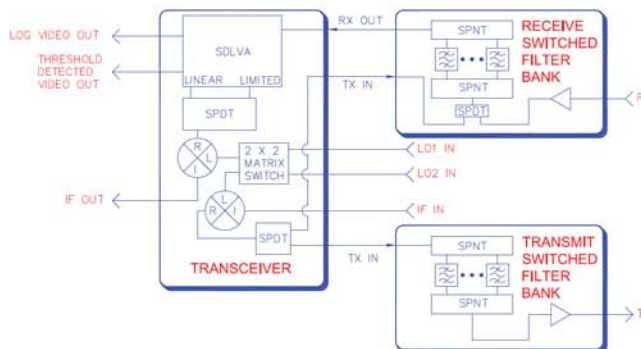
100MHz to 18GHz Transceiver 3U Open VPX Architecture

- **0.1 to 18.0 GHz Transceiver**
- **3U Open VPX Architecture**
- **VITA 67 RF Interface**
- **Up to 4GHz Instantaneous Bandwidth**
- **Customizable Switched Filter Banks**



- **BIT Test Mode for Closed Loop Testing**
- **Linear & Limited RF, SDLVA Output Channels**
- **Log & Threshold Video SDLVA Output Channels**
- **Time Gated SDLVA's for Pulse Blanking**
- **CW Immunity**
- **Input Selection for Two Independent LO frequencies (4 to 20GHz)**
- **-80 to +10dBm Input Power Range**
- **IF Frequency of 100MHz to 4.0GHz**
- **LVDS Control Logic**
- **Ruggedized Construction for Military Applications**
- **160mm x 100mm x 12HP per VITA 46 Standards (6.299" x 3.937" x 2.388")**

Simplified Functional Block Diagram



West Coast Operation:

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Hermetic Sealing, High Reliability to Mil-Std-883, Small Quantity Requirements accepted.
We offer Custom Designs

ISO9001:2008 REGISTERED

Amplifiers

Attenuators - Variable

DLVA & ERDLVA &
SDLVA's

DTO's & Frequency
Synthesizers

Filters

Form, Fit & Function
Products

IFM's & Frequency
Discriminators

Integrated MIC/MMIC
Modules

I/Q Vector Modulators

Limiters & Detectors

Log Amplifiers

Pulse & Bi-Phase
Modulators

Phase Shifters

Rack & Chassis Mount
Products

Receiver Front Ends &
Transceivers

Single Sideband
Modulators

SMT & QFN Products

Solid-State Switches

Switch Matrices

Switch Filter Banks

Threshold Detectors

USB Products