

iRFVC-6802/04 – 2 or 4 channel RF to Video Converter (DLVA)

- The RF to Video Converter (RFVC) is an RF Front End for a wideband receiver system.
- Connected to either a 2 or 4 antenna element configuration.
 - Operational Frequency coverage is from 2 to 18 GHz.
 - Frequency Spectrum is divided internally into a Low Band (2 to 6 GHz) path and High Band (6 to 18 GHz) Path.
 - Each band feeds a SDLVA (Successive detection log video amplifier).
 - SDLVA detects pulsed signals and feeds a video circuit.
 - Pulses are adjusted in the video circuit for Gain and Offset.
 - Pulsed analog signals are driven out differentially.
- RFVC is housed in a sealed chassis to support harsh environments
- Frequency Range: 2 to 18 GHz
- Dynamic Range: Low Band 55dB, High Band 50dB
- Video Bandwidth: 60MHz 3dB
- Sensitivity: Video SNR of at least 12dB
- Video Slope: 30mv/dB nominal, adjustable
- RF Blanking of channels
- High input power protection
- RF Built in Test
- Weight: 10.5lbs.
- Size: 10" (L) x 5" (W) x 4.1" (H)
- Ground Operational Temperature: -50C to +50C
- In Flight Operational Temperature: -64.4C to +50C

