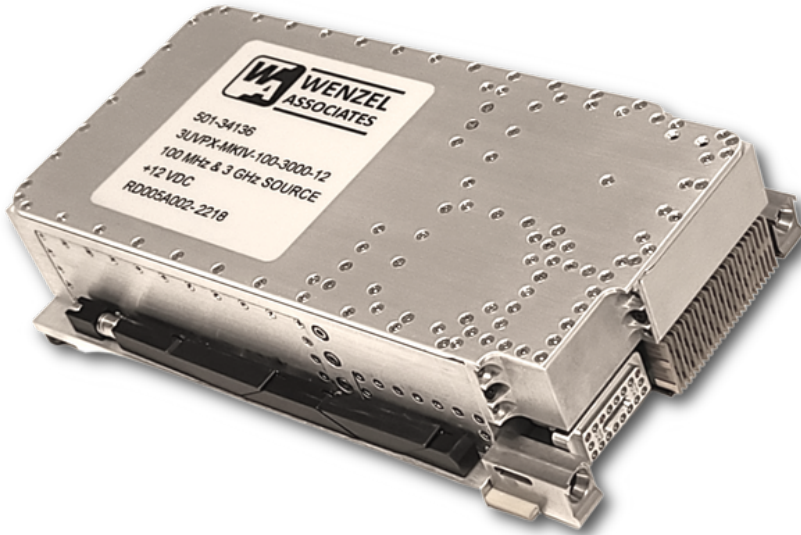


Frequency Sources > Sub-Assemblies > Card Assemblies



Features:

- OpenVPX Compliant
- SOSA Aligned
- VITA 67.X
- VX0 Vibration Isolation
- 3U x 2x0.85" Pitch

Applications:

- Military Applications
- Airborne, Ground, Shipboard
- RADAR Systems
- Tactical Fast Switching Radios
- Vehicular Communication
- Reference Source

Electrical Specifications		
Frequency (fixed, please specify)	100 MHz	3 GHz
Output Level	+5 dBm ±2 dB into 50 W @ P2 Output	
Aging	±1 x 10 ⁻⁹ /day after 30 days operating, typical	
Phase Noise, Typical (dBc/Hz)	10 Hz < -100 dBc/Hz 100 Hz < -135 dBc/Hz 1 kHz < -155 dBc/Hz 10 kHz < -172 dBc/Hz 100 kHz < -175 dBc/Hz 1 MHz < -175 dBc/Hz 10 MHz < -175 dBc/Hz	10 Hz < -70 dBc/Hz 100 Hz < -105 dBc/Hz 1 kHz < -125 dBc/Hz 10 kHz < -140 dBc/Hz 100 kHz < -145 dBc/Hz 1 MHz < -158 dBc/Hz 10 MHz < -158 dBc/Hz
Temperature Stability	±4 x 10 ⁻⁶ , -20°C to +70°C (Ref +25°C)	
Harmonics	< -30 dBc	
Spurious Non-Harmonics	< -70 dBc	
Supply Voltage	+12 VDC, ±5%	
Warm-up Power	< 20 W for 15 min	
Acceleration Sensitivity	2x10 ⁻¹¹ /g @ 200Hz	
Mechanical		
Packaging	Chemical Conversion Coating, VITA 46.0 Compliant	
Dimensions	3U x 6.3" x 1.64"	
Mounting	Card Guides with Wedge Locks	
Connectors VITA 67.X	3U x 6.3" x 1.64" PO/P1/P2 Customized	
Weight	<2lbs	
Options		
Phase Locked Option	External 10 MHz	
Allan Deviation	1.0x10 ⁻¹¹ at τ = 1 second	
RMS Jitter (100 - 100K)	~ 5 fsec	

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