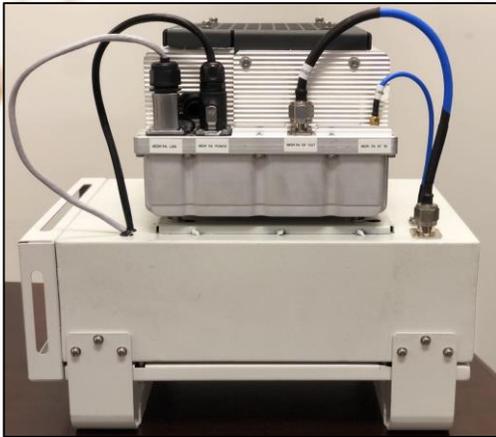




FLINT SERIES PRODUCT SPECIFICATIONS

Gap Filler



Introduction

The new Anywave **FLINT** series of Air Cooled Gap Fillers supports all current international digital and mobile TV standards including ATSC, ATSC3.0, DVB-T/T2, ISDB-T and DTMB. It employs the latest LDMOS power amplifier Technology, supporting UHF as well as VHF Band III and I. This new Gap Filler implements a revolutionary dual-stage patented echo-cancellation technology to realize unparalleled performance, cancelling echoes up to 35 dB larger than the main signal. The **FLINT** series EC system continuously, automatically, and adaptively eliminates dynamically varying echoes from the received signal, providing easy installation, reducing engineering costs, and delivering stable operation with excellent performance. The **FLINT** Gap Filler is available in an indoor format or a weatherproof outdoor version (IEC IP55 compliant) with output power levels up to 100W (OFDM, post-BPF).

Key Features

- ✓ Multi-standard capability: ATSC, ATSC3.0, DVB-T/T2, ISDB-T, and DTMB
- ✓ Patented dual-stage Echo Cancellation technology, continuously, automatically, and adaptively optimizes echo cancellation and MER performance
- ✓ Implements latest LDMOS Power Amplifier Technology
- ✓ Wide dynamic range – handles large range of incoming signal amplitudes
- ✓ Same LO used for up/down conversion – achieves near perfect RF performance
- ✓ Adjacent channel suppression

Details

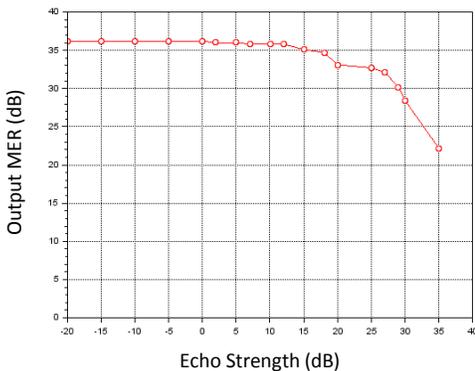
RF Input

Frequency: UHF, VHF Band III and I
Level: -70 dBm ~ -20 dBm
Connector: N-type, female, 50 Ω
RF Bandwidth: 6 or 8 MHz

RF Output

Frequency: UHF, VHF Band III and I
Output Power: up to 100 W (OFDM, post-BPF)
Connector: N-type, female, 50 Ω

Gap Filler Performance vs Echo Level



Echo Cancellation

Max Echo Cancellation: ≤ 35 dB (compared to main signal)
Echo Cancellation Window: ≤ 10 μ s (customizable)

MER Degradation

Up to 20dB echo, no significant MER loss (higher than 35dB or within 1dB loss of the input signal MER)
Up to 25dB echo, higher than 32dB or within 3dB loss of the input signal MER
Up to 35dB echo, higher than 20dB MER

Power Supply: 90 ~ 260 VAC, 47Hz ~ 63 Hz

Power Consumption: 530W (typical)

Operating Temperature: -15 $^{\circ}$ C ~ 55 $^{\circ}$ C

Operating Humidity: $\leq 95\%$

Operating Altitude: ≤ 2440 meters (8000 feet)

Outdoor: Distribution Box + PA&DICS: 15 x 14 x 10 inches

Indoor: PA: 19 x 24 x 3.5 inches

Indoor: DICS: 19 x 15 x 1.75 inches

AICS: 11.5 x 8 x 4 inches

Cost Effective 100%

Reliable 100%

Scalable 100%

Dependable 100%

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