

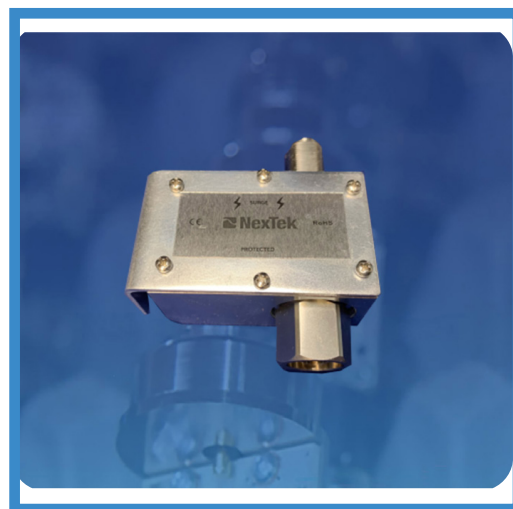
FPLNFNFAQ15-HP

High Power (750W RMS), 700-1000MHz with 2.176MHz Pass Telemetry

RF Hybrid Fine Protector (700-1000 MHz) with DC Pass (15Vdc) and Telemetry Signal (2.176 MHz). Type-N connectors, bulkhead or flange mount. The FPL AQ15 series are RF broadband devices designed for surge and lightning protection applications where DC Pass is required to power the electronics.

The FPL units offers excellent surge/lightning suppression protection for tower top amplifiers in cellular and land mobile radio (LMR) applications requiring a DC Pass solution.

The FPL AQ15-HP series demonstrates excellent RF characteristics while offering outstanding surge protection for high power requirements.



Features:

- Broadband design
- Excellent insertion and return loss
- DC Pass
- Multi-strike capability
- Max surge current of 20kA
- Max power 750W RMS
- RoHS & CE compliant
- Bulkhead or flange mounting
- IP67 rated

Applications:

- Sensitive Wireless Coax Equipment
- UHF Systems

Similar Part Numbers:

- FPLNFNxAP06
- FPLNFNxAQ15
- FPLNFNxAP36

RF Specifications

Frequency Range	700 - 1000 MHz
VSWR	≤1.1:1 (over frequency range)
Insertion Loss	≤0.1dB (over frequency range)
RF Power	750W RMS
Pass Telemetry Signal	2.176MHz (IL≤0.4dB)

Transient Specifications

Maximum Surge	20kA 1x (IEC 61000-4-5 8/20μs Waveform)
Rated Surge	10kA 10x (IEC 61000-4-5 8/20μs Waveform)
Turn-On Voltage	±16.5 Vdc
Turn-On Time	4ns for 2kV/ns
Let-Through Voltage	≤30Vdc ±20% (for 10kA, 8/20μs Waveform)
Let-Through Energy	≤500μJ ±20% (for 10kA, 8/20μs Waveform)

DC Characteristics

Operation Voltage	±15.0Vdc
Operation Current	≤4.0A (Continuous)
DC Continuous Resistance	≤0.2Ω

This specification is for reference only and is subject to change without notice.

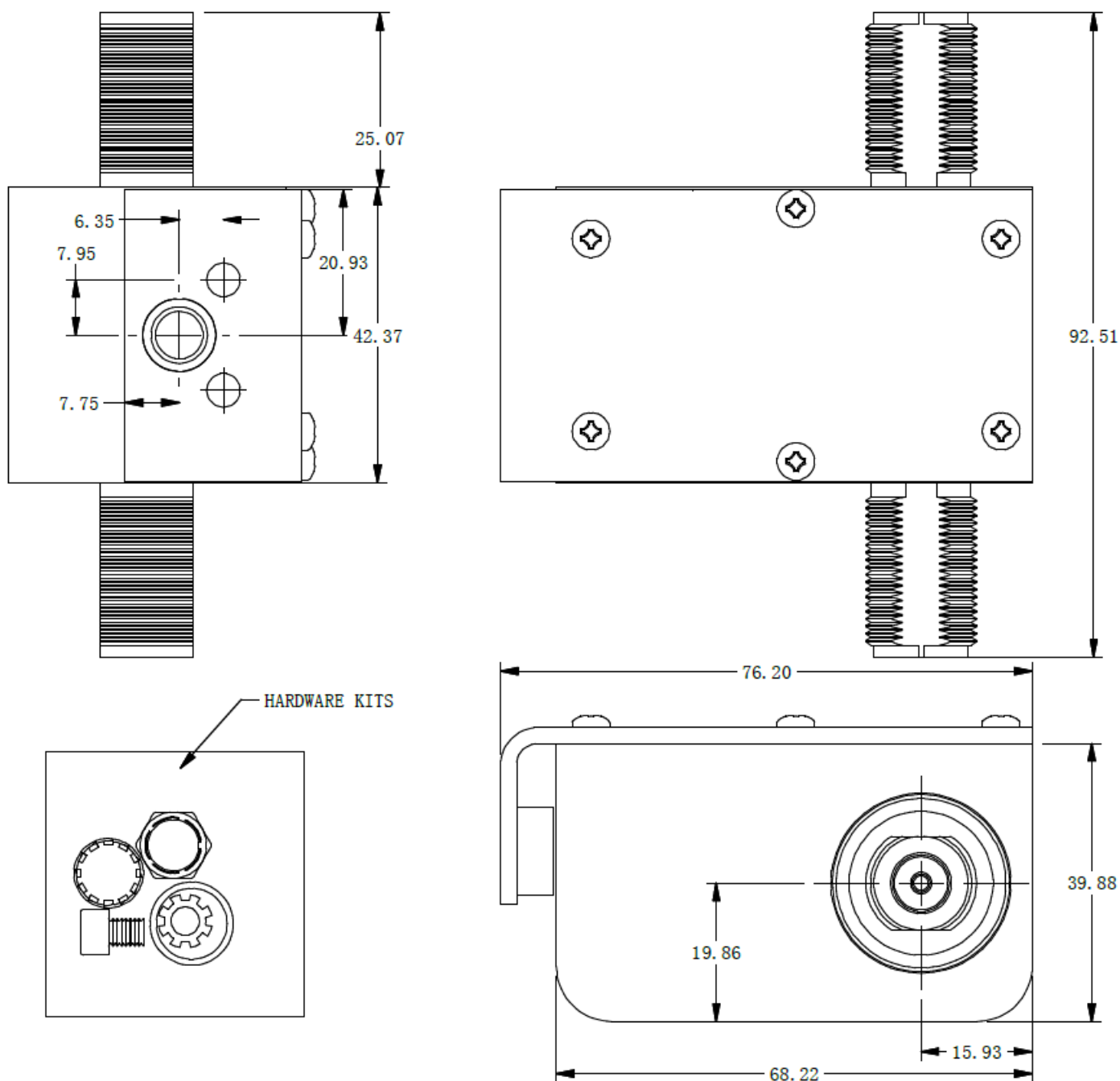
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1

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Outline Drawing & Hardware Kits:



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2