

# FFT-Q | FFT\*-\*Q Series Full-Feature Equalizable Taps



## 1.2 GHz Full-Feature Equalizable Taps

- Support DOCSIS® 3.1 expanded bandwidth up to 1218 MHz
- Improve network performance with signal conditioning plug-ins
- High quality RF connection with auto-seize F-connectors
- Maintain existing install base with compatibility back to "F" series FFT housings
- High level of network resilience with 6kV surge resistance on feederline and F-ports
- Maintain RF and AC connections with faceplate removed with integrated bypass capability

The ARRIS FFT-Q 1.2 GHz series equalizable taps offer improved return path performance for advanced two-way HFC systems while maintaining backward compatibility with previous FFT install base. FFT taps allow for signal conditioning with optional plug-in, field configurable modules that include cable equalizers, return path attenuators, and cable simulators. These plug-ins allow for drop signal conditioning without affecting the main feederline path.

## Product Classification

**Regional Availability** Asia | Australia/New Zealand | EMEA | Latin America | North America

**Product Type** RF tap

## Electrical Specifications

**Return Loss at Frequency Band, tap** 16 dB @ 5–9 MHz, 17 dB @ 10–749 MHz, 17 dB @ 750–1000 MHz, 16 dB @ 1001–1218 MHz

**Hum Modulation at Operating Frequency** 60 dB minimum @ 5–10 MHz, 65 dB minimum @ 11–750 MHz, 60 dB minimum @ 751–1000 MHz, 55 dB minimum @ 1001–1218 MHz

**Isolation at Frequency Band, tap to tap** 21 dB @ 5–9 MHz, 25 dB @ 10–85 MHz, 27 dB @ 86–300 MHz, 23 dB @ 301–749 MHz, 20 dB @ 750–1218 MHz

**Power Passing at 60/90V, maximum** 12 A

**Surge Protection, F port** 6 kV Combination Wave

**Surge Protection, input/output ports** 6 kV Combination Wave

## Environmental Specifications

**Operating Temperature** -40 °C to +60 °C (-40 °F to +140 °F)

