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

<table>
<thead>
<tr>
<th>Regional Availability</th>
<th>Asia</th>
<th>Australia/New Zealand</th>
<th>EMEA</th>
<th>Latin America</th>
<th>North America</th>
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</thead>
<tbody>
<tr>
<td>Product Type</td>
<td>RF tap</td>
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### 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)