



FREQUENCY EXTENSION CONTROLLER

[FEC-03](#)

[FEC-02](#)

**Datasheet****Description**

The FEC-02 Frequency Extension Controller is part of the FTL mm-wave measurement extension solution. It ensures that FTL mm-wave extender products FEV-XX are fully compatible with Agilent PNA-X Vector Network Analyzers and offers the best S-parameters accuracy available on the market.

**Features**

- RF/LO and IF signal routing and amplification
- Fast switching speed
- Compatibility with PNA-X
- DC bias source for FEV-XX

**Applications**

- Frequency extension
- Mm-Wave instrumentation
- S-parameters measurement
- Antenna measurements

Specification	Unit	Min	Typ	Max
RF Input Frequency	GHz	7		20
Lo Input Frequency	GHz	7		20
IF Input/Output Frequency	MHz	5		50
Switching Speed	µs		<1	
Power Requirements		110-230 V @ 0.65/0.35 A		
Weight	kg	8.5		
Dimensions	mm	450 x 510 x 90		

**Notes:**

Farran Technology reserves the right to change, without notice, the characteristic data and other specifications applied to this product. The product may be subject to Irish export restrictions.

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