



# iCCMT-1808 (0.8-18GHz)

Intelligent Computer Controlled Microwave Tuner

## General

The Focus iCCMT-1808 Intelligent Computer Microwave Tuner has been designed for 0.8 to 18 GHz operation, making it an integral part of many load pull and noise setups. The iCCMT-1808 allows for full and accurate characterization of packaged and on-wafer transistors. Optional upgrades include a balancing kit for reliable on-wafer testing, performance-tuned slugs, patented prematch section and low-loss bend lines. The iCCMT-1808 makes use of Focus' proprietary TCP/IP capable iTuner technology with built in microprocessor and command language, allowing tuning to any interpolated impedance within the tuning range with a typical accuracy of 40dB or better. As such, the iCCMT-1808 can be used with Focus' software or independently by using the Focus ActiveX control. iTuner allows for full customization and integration with popular software applications such as Agilent VEE and LabView. Typical uses include SATCOM, GSM, TDMA, CDMA, WiFi, WiMax and radar design.



## Specifications

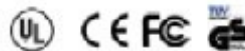
Frequency Range (GHz) .....	0.8 - 18
VSWR (min) .....	≥10:1 <sup>1</sup>
VSWR (typical) .....	15:1
Insertion Loss (dB) .....	0.4 <sup>2</sup>
Repeatability (min, dB) .....	- 40
Repeatability (typical, dB) .....	- 50

Step Size (carriage, μm) .....	25.4
Phase Resolution @ 0.8 GHz .....	0.05° /step
Phase Resolution @ 18 GHz .....	1.10° /step
Step Size (probe, μm) .....	1.5
Airline Width (mm) .....	7.0
Tuner Weight (lbs) .....	11.0
Shipping Weight (lbs) .....	35.0 <sup>3</sup>
Size .....	See Dimensions

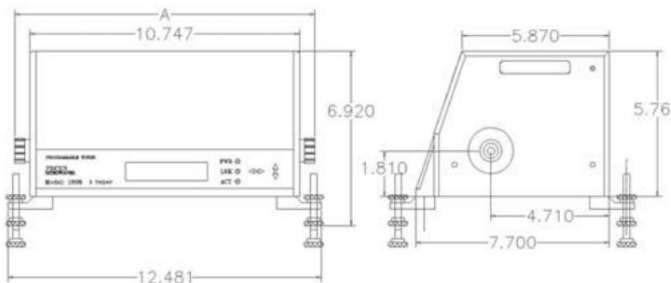
Model	Connector Type	Power Handling (W, CW) <sup>4</sup>	Length A (in)
iCCMT-1808	APC-7	30	18.98
iCCMT-1808-N	N	90	19.63

### Power Supply Specifications

Input (AC) 100-240V, 1.8A Output (DC) 12V, 5A

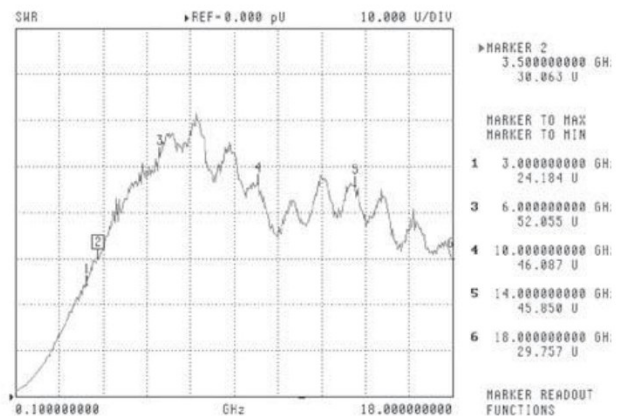


## Dimensions



- <sup>1</sup> Measured at 0.8 GHz
- <sup>2</sup> Measured at 2.35 GHz
- <sup>3</sup> Includes packaging and accessories, may vary
- <sup>4</sup> Measured at 10:1 VSWR

## Typical VSWR



DSTUNER-iCCMT-1808-04152013

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