



iCCMT-808 (0.8-8 GHz)

Intelligent Computer Controlled Microwave Tuner

General

The Focus iCCMT-808 Intelligent Controlled Microwave Tuner has been designed for 0.8 to 8 GHz operation, making it an integral part of many load pull and noise setups. The iCCMT-808 allows for full and accurate characterization of the 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-808 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-808 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 GSM, TDMA, WiFi and radar design.



Specifications

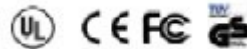
Frequency Range (GHz)	0.8 – 8.0
VSWR	≥20:1
Insertion Loss (dB)	0.20 ¹
Repeatability (min, dB)	- 40
Repeatability (typical, dB)	- 50

Step Size (carriage, μm)	25.4
Phase Resolution @ 0.8 GHz	0.049° /step
Phase Resolution @ 8.0 GHz	0.488° /step
Step Size (probe, μm)	1.5
Tuner Weight (lbs)	18.0
Shipping Weight (lbs)	40.0 ²
Size	See Dimensions

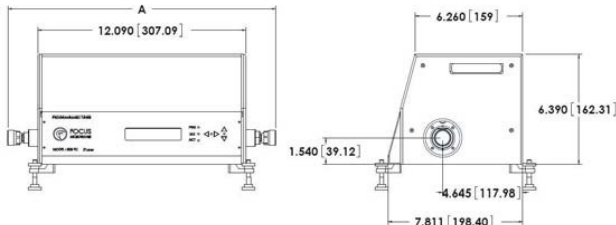
Model	Connector Type	Power Handling (W, CW) ³	Length A (in)
iCCMT-808	APC-7	30	15.57
iCCMT-808	N	90	16.22
iCCMT-808	7/16	250	16.22

Power Supply Specifications

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

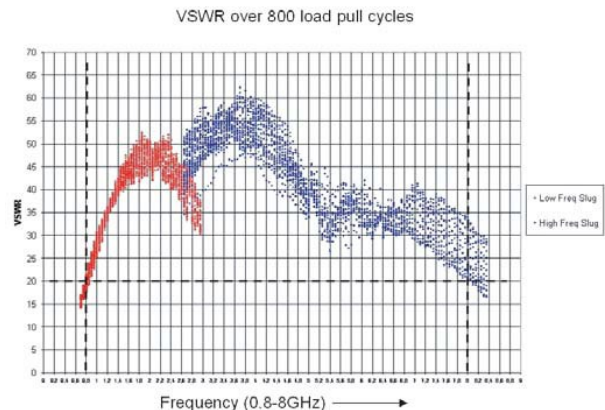


Dimensions



¹ Measured at 8.0 GHz, probe withdrawn
² Includes packaging and accessories
³ Measured at 10:1 VSWR

Typical VSWR



iCCMT-808-TC-JC-05112010

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