



iCCMT-3020 (2-30 GHz)

Intelligent Computer Controlled Microwave Tuner

General

The Focus iCCMT-3020 Intelligent Computer Controlled Microwave Tuner has been designed for 2 to 30 GHz operation, making it an integral part of many load pull and noise setups. The iCCMT-3020 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-3020 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 50 dB or better. As such, the iCCMT-3020 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) 2.0 - 30
 VSWR (min) $\geq 10:1$
 VSWR (Typical) 12:1
 Insertion Loss (dB) 0.60₁
 Repeatability (min, dB) - 40
 Repeatability (typical, dB) - 50

Step Size (carriage, μm) 12.7
 @ 2.0 GHz 0.61% / step
 @ 30 GHz 1.10% / step
 Step Size (probe, μm) 1.5
 Tuner Weight (lbs) 11.0
 Shipping Weight (lbs) 35.0₂
 Size See Dimensions

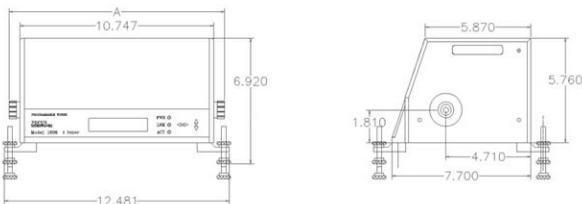
Model	Connector Type	Power Handling (W, CW) ³	Length A (in)
iCCMT 3020	2.9 mm	40	11.57

Power Supply Specifications

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

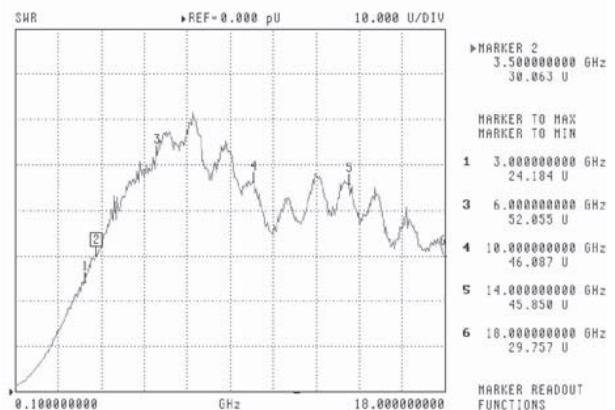


Dimensions



- ¹ Measured at 30 GHz, probe withdrawn
- ² Includes packaging and accessories
- ³ Measured at 10:1 VSWR

Typical VSWR



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