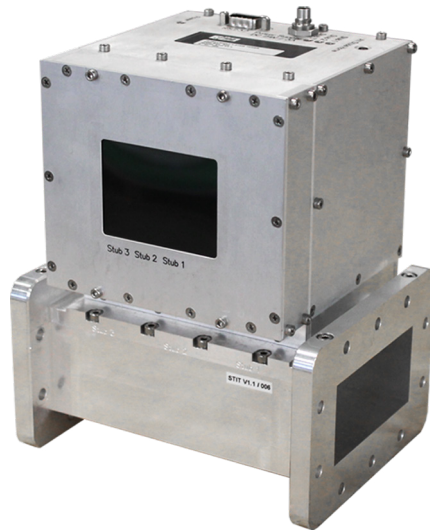


Motorized 3-Stub-Tuner 2.45 GHz

FM - T2R2610K0174X0

:fm



GENERAL INFORMATION

The motorized 3-stub waveguide tuner serves for manual impedance matching of WR340 waveguide loads in the 2450 MHz ISM band. Conversely, when terminated in a matched load, the Tuner can serve for realization of reflection coefficients covering an extensive area of the Smith Chart. Each stub is equipped with a stepper motor and a top-travel terminal switch. RS232 interface is available to the user for remote control and monitoring. The desired stub positions can be easily adjusted and monitored by a built-in 3.2" color LCD display with a touch panel (touchscreen).

SPECIFICATION

Electrical and Technical Data

Waveguide type	IEC153: R26 / EIA: WR340 ¹
Flange type	IEC
Frequency range	2400..2500 MHz
Maximum working power ^{2 3}	10 kW
Power supply voltage	24 V ±10% DC
Peak current consumption (all stubs moving)	3 A
Interface	RS232 (RS422)

Tuning

Max tuning stub travel	25 mm
Tuning range	VSWR ≤ 10:1
Full stub insertion travel time	2.1 s

Mechanical Data

Dimensions WxHxL	142x230x174 mm
Weight	4.6 kg
Surface finish	E-CLPS 4600
Operating temperature range	+15 to +55 °C
Storage temperature range	-10 to +70 °C

¹ Stepped or tapered precision transitions to either R22 (WR430) or R32 (WR284) waveguide can be integrated upon request.

² Maximum working power is specified for matched load conditions. For loads with high reflection coefficient magnitude (>0.9), the maximum power is derated to avoid arcing with deeply inserted tuning stubs. Please contact the manufacturer for details.

³ Please contact the manufacturer for maximum working power higher than the specified value.