

EM-7841 | Tunable Notch Filter Network



Description

The EM-7841 Tunable Notch Filter Network is a tunable narrowband rejection filter operating from 10 kHz to 15 MHz. It is used whenever high rejection (attenuation) is required at one select frequency and low attenuation for the other frequencies. The high power rating of the EM-7841 permits its use for measurements on high power transmitters, providing the voltage input level is carefully regulated.

The EM-7841 covers from 10 kHz to 15 MHz in six (6) frequency bands using a variable capacitor and resistor plus six (6) interchangeable fixed inductance tuning coils. The tuning coils are stored in a separate carrying case when not in use. The tuning coil selected is inserted into the internal circuitry of the EM-7841 through the removable top cover of the unit.

The EM-7841 is designed for bench top operation.

Specifications

Electrical

Frequency Range: 10 kHz - 15 MHz

Maximum Voltage:
71 Vrms at the tuned frequency
20 Vrms at all other frequencies

Number of Tuning Bands: 6

Minimum Rejection: 50 dB

Connectors: Type N, female

Mechanical

Height: 27.9 cm (11")

Length: 36.8 cm (14.3")

Width: 36.8 cm (14.3")

Weight: 11.4 kg (25 lbs.)



Interchangeable fixed Inductance tuning coils

Ref: 100420