

EM-7843 | Tunable Notch Filter Network

Description

The EM-7843 Tunable Notch Filter Network is a tunable narrowband rejection filter operating from 100 MHz to 375 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-7843 permits its use for measurements on high power transmitters, providing the voltage input level is carefully regulated.

The EM-7843 covers from 100 MHz to 375 MHz in two (2) frequency bands. Each band uses a series of tuning networks that is essentially a bridge-T network.

The EM-7843 is designed for bench top operation.

Specifications

Electrical

Frequency Range: 100 MHz - 375 MHz

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

Number of Tuning Bands: 2
Band 1: 100 – 250 MHz
Band 2: 250 – 375 MHz

Minimum Rejection: 50 dB

Connectors: Type N, female

Mechanical

Height: 14.7 cm (5.8")

Length: 26.2 cm (10.3")

Width: 25.7 cm (10.1")

Weight: 4.5 kg (10 lbs.)

Ref: 100420