

**Coaxial terminators** are electrical devices that connect to the ends of coaxial cables to prevent signals from reflecting back when they reach the end of the cable. They differ in terms of frequency range, power rating, voltage standing wave ratio (VSWR), return loss, and resistance. Voltage standing wave ratio (VSWR), a unitless ratio ranging from 1 to infinity, expresses the amount of reflected energy at the input of the device. A value of 1 indicates that all the energy passes through. Any other value indicates that a portion of the energy is reflected. Return loss is a measure of the match between the impedance of coaxial terminators and the impedance of the system. With coaxial terminators, choices for electrical resistance include 50 and 75 ohms.

Also known as Dummy Loads, terminators are an essential component in the proper termination of unused outputs of line splitters and amplifiers which utilize a Type F interface.

Terminators are generally used at the far end of the line. Resistance should match characteristic impedance of the coaxial line, so no reflections or standing waves are present when the signal enters.

Terminators are used to cap an unused transmission line, both preventing signal from escaping and blocking the intrusion of unwanted signals into the line. This series of terminators features a retention chain that can be used to secure the terminator to a mounting surface to prevent the terminator from becoming lost when disconnected. Available in multiple interfaces and impedance values to address your specific application.