



variable attenuator

- > In-Line Variable Attenuator
- > Internal Links
- > Terminal and Saddle connections
- > Intrinsic Safe version
- > IP66/NEMA4X enclosure



DESCRIPTION

VTEN Variable Attenuator is a passive in-line device, offering from 0 to -15dB of attenuation. The VTEN is used to increase the attenuation of a leaky feeder cable, where one or more branch(s) have been removed from the leaky feeder cable, OR where 2 amplifiers have been placed too close together.

EXAMPLE ONE

A BU1 (-4dB loss) is removed from between 2 amplifiers which are 263m (-12dB loss) apart. In order to balance the system, you should install a VTEN and set jumper links for -3dB (-12dB plus -4dB = -16dB)

EXAMPLE TWO

2 x MLA have only 131m (-6dB loss) of cable between them, they should have 350m (-16dB) of cable, which is short by 219m (-10dB). In order to balance the system, you should install a VTEN and set jumper links for -10dB (-6dB plus -10dB = -16dB)

The VTEN utilises MineCom's proprietary leaky feeder terminal and saddle connections (rather than coaxial connectors which can cause higher losses and voltage drops), which are designed for easy assembly underground without the need for special tools or skills.

SPECIFICATIONS

Frequency:	VHF & UHF
Attenuation Loss adjustment:	0 to -15dB
Impedance:	75 ohm
VSWR:	1.4:1 (148 – 175Mhz) 1.2:1 (20 to 120Mhz)
Through Current Capacity:	1.5 amps Max
Power Requirements:	None
Connections:	Proprietary - Brass Screw terminal and Saddle (optional N type)
Enclosure:	IP66/NEMA4X heavy duty enclosure
Weight & Dimensions:	1.0Kgs – 160(w) x 60(d) x 75(h) mm

LOCATIONS ACROSS AUSTRALIA,
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