



# UHF-ATT UHF IN-LINE ATTENUATOR

- Low Insertion Loss (<2dB).
- Low Power Consumption.
- 0-15.5 dB In-line Attenuation, 0.5 dB Steps.
- Compatible with UHF Leaky Feeder Systems.
- DC Blocking Jumpers.

## FEATURES

Becker Mining Systems smartcom® 450 In-line Attenuator provides a means of easily and accurately adjusting the loss at any point along the Leaky Feeder network.

This can improve voice and data performance by making adjustments that reduce system noise and maintain minimum losses between system components such as line amplifier and smartcom Ethernet components.

The equipment is comprised of a single PCB housed inside a glass fiber reinforced polyester enclosure. The Inline Attenuator has two RF connections for simple installation of UHF coaxial radiating cables.

## TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Frequency Band	435-480 MHz
Port Characteristic Impedance	50Ω
Connectors	Brass Block
Insertion loss	<2 dB
Attenuation Range	0-15.5 dB
Attenuation Steps	0.5 dB
Current Consumption	< 50mA
DC Blocking	Jumper Select on Board Input/Output
Leaky Cable Type	UHF-175

MECHANICAL DATA	
Enclosure	Fiberglass reinforced polyester plastic
Dimensions (H x W x L)	55 x 75 x 160 mm (2.17 x 3.0 x 6.3 in)
Weight (nominal)	650 g (1.43 lbs)
LF Connectors	Two Brass Block Connectors, M25 cable grips
Finish	Black

ENVIRONMENTAL DATA	
Temperature Range	-20 to +60°C (-4 to +140°F)
Protection Class	NEMA 4X (IP66)

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

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