



UBDA800A0ZZA1ZWW# LTE Amplifier

- Mine-wide LTE Band 5 signal distribution.
- Reduced cost compared to traditional LTE implementations in mines.
- Easy installation and maintenance

FEATURES

The new LTE Leaky Feeder Offering from Becker Mining Systems' brings an effective alternative to enabling LTE connectivity in mines.

Becker Mining Systems' LTE Amplifiers offer a robust, cost effective alternate to installing expensive remote radio units at short intervals.

The UBDA800A0ZZA1ZWW# offers 45MHz of bandwidth in the upstream and downstream, with 10MHz separation between bands.

Becker Mining Systems' LTE Amplifiers are also available for other bands

2 year component and workmanship warranty

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS

Input Impedance	50 Ω
Input Voltage	10.5 V to 36V
Current Consumption	200 mA @ 12 V, 150 mA @ 16 V, 110 mA @ 24 V
Gain	~25.5dB uplink, ~26dB downlink
Amplifier Spacing	Up to 350m
Attenuation Adjustment Range	0 to 31.5 dB in 0.5 dB steps
Gain Control	MGC, AGC

LTE BAND 5 SPECIFICATIONS

Bandpass (3 dB)	824 MHz to 849 MHz (uplink); 869 MHz to 894 MHz (downlink)
Bandwidth (3 dB)	45 MHz
Passband Ripple	< 1.5 dB

MECHANICAL DATA

Dimensions	270 mm x 125 mm x 105 mm
Weight	900 g
Enclosure	ABS, anti-static
Connectors	N-Type Jack

ENVIRONMENTAL DATA

Temperature Range	-20 to +60 °C
Protection Class	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.

Rev. A