



Highlights

- Designed to support all operators with one solution in antenna-sharing systems
- Modular design which protects circuit components, reduces interference, and guarantees the stable operation of your equipment
- High-linearity design, low power consumption and noise, less interference to BTS
- Built-in ALC & AGC circuit which enables repeater control the gain value automatically and maintain stable output power, avoiding self-oscillation
- Manual gain control (MGC) available for both uplink and downlink to adjust the gain value for proper coverage during installation
- LEDs for local alarm indicators
- Optional remote control via SMS
- Coverage area up to 1500 square meters (16000 square feet)
- Light weight and compact for easy installation
- Lifetime warranty

Models	License Band Frequency
DB0918-20	GSM900&DCS1800 UL:890-915MHz&1710-1785MHz/DL:935-960MHz&1805-1880MHz
DB0921-20	GSM900&WCDMA2100 UL:890-915MHz&1920-1980MHz/DL:935-960MHz&2110-2170MHz
DB0819-20	GSM850&PCS1900 UL:824-849MHz&1850-1910MHz/DL:869-894MHz&1930-1990MHz
DB0821-20	GSM850&WCDMA2100 UL:824-849MHz&1920-1980MHz/DL:869-894MHz&2110-2170MHz
DB0817-20	GSM850&AWS1700 UL:824-849MHz&1710-1755MHz/DL:869-894MHz&2110-2155MHz

ELECTRICAL SPECIFICATIONS

Output Power	UL:15dBm DL:20dBm
Gain	UL:65dB DL:70dB
Input Power Range	≤-10dBm
AGC Range	≥20dB
MGC	30dB; 1dB/step
Inband Ripple	≤8dB (GSM850,GSM900) ≤10dB (DCS1800,PCS1900,AWS1700,WCDMA2100)
Time Delay	≤1.5μs
Noise Figure	≤8dB
Intermodulation	≤-36dBm
Spurious Emission	≤-36dBm @ 9KHz-1GHz (RWB=30KHz) ≤-30dBm @ 1GHz-12.75GHz (RWB=1MHz)
VSWR	≤2.0
Impedance	50Ω
Power	AC:90V-265V DC:12V/3A
Power Consumption	≤20W
Alarm Indicators	Green(ALC active 0);Orange(ALC active 1-15dB);Red(ALC active ≥20dB)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-10°C to +55°C 14°F to +131°F
Operating Humidity	≤90%
Application	Indoor IP40

MECHANICAL SPECIFICATIONS

Color	Gray, Blue (Color is optional and customized)
Installation	Wall Mounting or Desktop Laying
Connectors	N-Female
Weight	2.5Kg 5.5lb
Dimensions	250*145*53mm 9.8*5.7*2.0in