

## LTE(4G) SingleBand Selective BDA / Repeater CSG RPTR 92600-70-21

CSG LTE (4G) BDA / Repeater solves the indoor signal coverage problems by boosting the signal strength. The BDA / Repeater works as a relay between the BTS, Donor (Input) and mobile Radios. It receives the DOWNLINK signal from BTS via the Donor Antenna, linearly amplifies the signal and then retransmits it via the Indoor Signal Distribution System to the weak / blind coverage area. In the reverse path the signal from the mobile radio is also amplified and retransmitted to the BTS via the opposite direction (known as UPLINK). It's easy to install and maintain. CSG BDAs / Repeaters are designed to operate within the customized band.as Band selective or in Channel Selective configuration



### Features

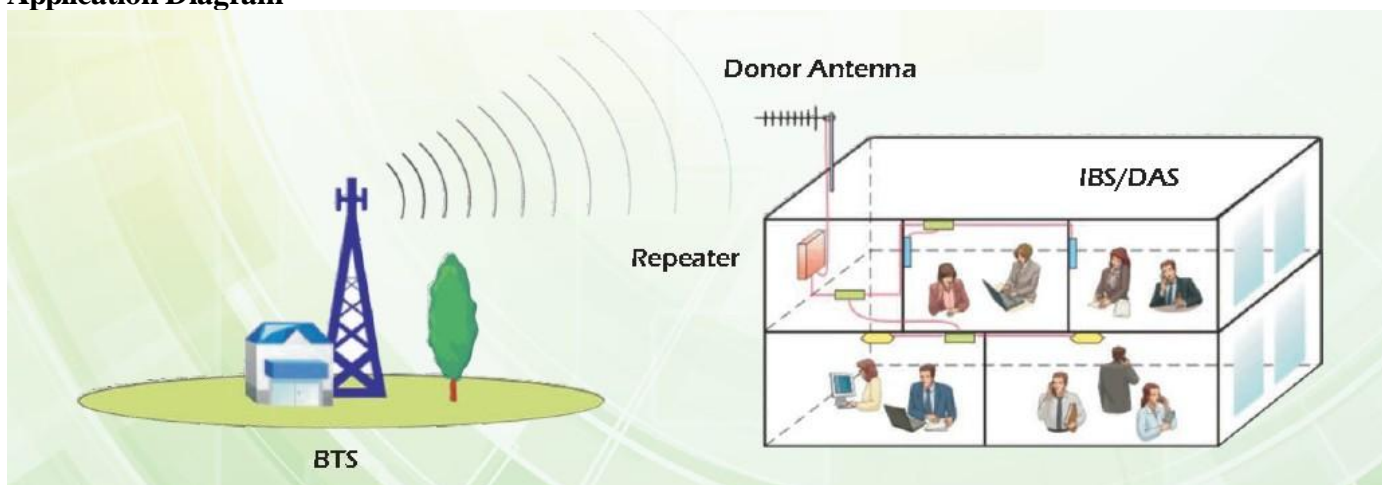
- Two signal ports with full duplex design
- High system gain
- Linear power amplification suppresses inter-modulation and spurious emission
- Automatic Level Control (ALC) ensures output level is stable and is continuously adjustable
- Unique color LEDs to indicate power supply and signal levels of UPLINK and DOWNLINK
- Simple Installation with external AC/DC Adaptor

### Applications

To enhance and expand signal coverage where LTE (4G) signals are weak or unavailable.

- Hotels
- Exhibition Centers
- Basements
- Shopping Malls
- Offices
- Parking lots
- Fringe Areas

### Application Diagram



## Technical Specifications :

PARAMETERS		SPECIFICATIONS
Frequency range	Uplink	2500 - 2570 MHz
	Downlink	2620 - 2690 MHz
Gain		$\geq 70$ dB
Maximum Output Power		21 dBm
AGC control range		$\geq 20$ dB
Maximum Input Power(Non-destructive)		$\leq 0$ dBm
VSWR		$\leq 2.0 : 1$
System Delay		$\leq 1.5$ $\mu$ s
I/O Impedance		50 $\Omega$
Noise Figure		$\leq 6$ dB
Spurious Emission		9KHz ~ 1GHz $\leq -36$ dBm
		1GHz ~ 12.75 GHz $\leq -30$ dBm
ACRR	P $\leq 31$ dBm	Offset 5MHz $\geq 20$ dB
	P $\leq 31$ dBm	Offset 10MHz $\geq 20$ dB
Peak Code Domain Error (PCDE)		$\leq -35$ dBm
Error Vector Magnitude (EVM)		$\leq 12.5\%$
RF Connectors		N - Female
Power Consumption		$\leq 30$ W
Power Supply		AC 100 ~ 240 V Output : 9V/5A
Dimensions (Approx.)		265 x 188 x 68 mm
Weight (Approx.)		5.0 Kg
Alarm monitoring system		Alarm for uplink self-oscillation
Indications		Power supply , Alarm, State
Operating temperature		-25 <sup>0</sup> C to +55 <sup>0</sup> C
Humidity		$\leq 95$ %