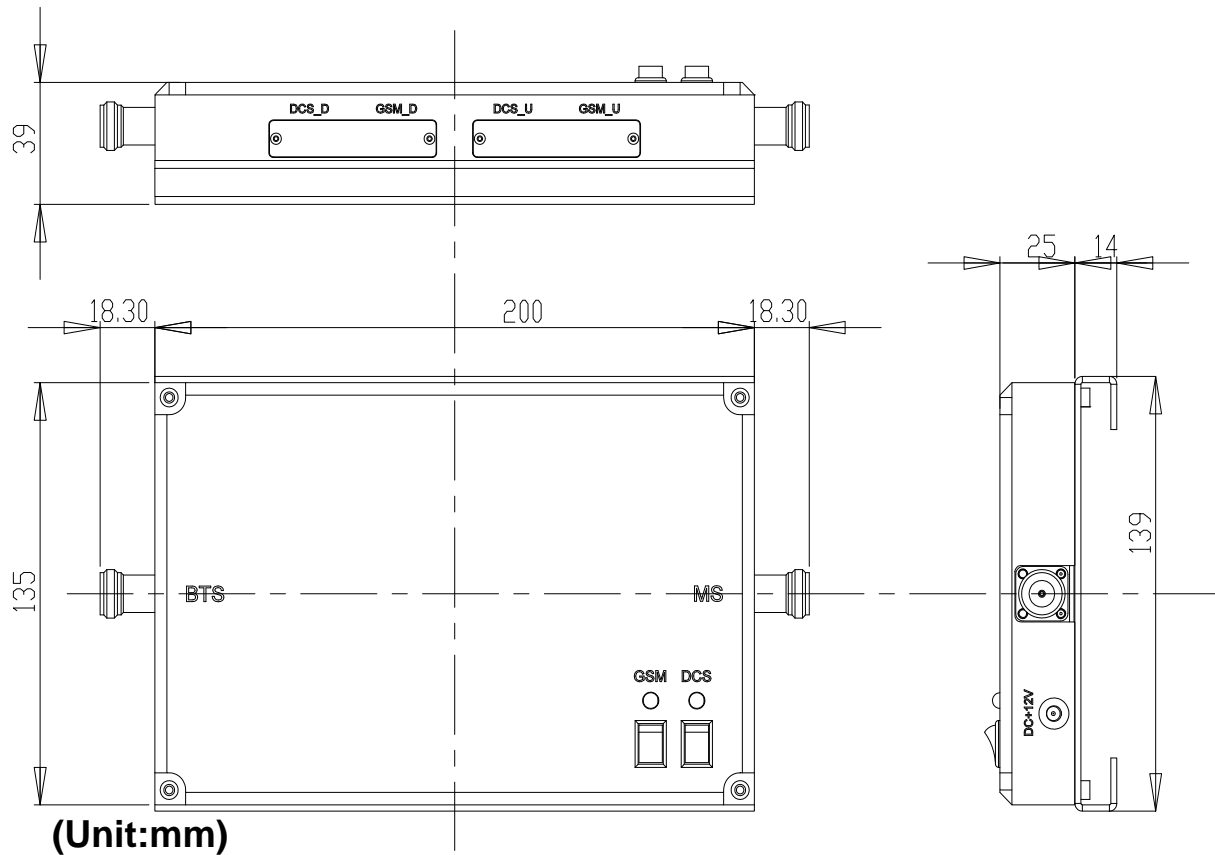


DuoBoost9

GSM900 / DCS1800 Dual Band Combined Repeater

Technical Specifications

- Dimensions
- Uplink Characteristics
- Downlink Characteristics
- System Characteristics
- Environment Characteristics



Up Link Characteristics

Specification

Frequency Range

GSM : 890 ~ 915MHz
DCS : 1710 ~ 1785MHz

Bandwidth

GSM : 25MHz
DCS : 75MHz

Output Power

+27dBm*1Carriers (typ.)

Gain

60 dB typ.

Gain Flatness	$\leq \pm 2\text{dB @ GSM}$ $\leq \pm 4\text{dB @ DCS}$
Manual Attenuation	0~31dB / 1dB step
Noise Figure	$\leq 5.0\text{dB @ GSM Band}$ $\leq 7.0\text{dB @ DCS Band}$

Down Link Characteristics	Specification
Frequency Range	GSM : 935 - 960MHz DCS : 1805 ~ 1880MHz
Bandwidth	GSM : 25MHz DCS : 75MHz
Output Power	+27dBm*1Carriers (typ.)
Gain	60 dB typ.
Gain Flatness	$\leq \pm 2\text{dB @ GSM}$ $\leq \pm 4\text{dB @ DCS}$
Manual Attenuation	0~31dB / 1dB step
Noise Figure	$\leq 5.0\text{dB @ GSM Band}$ $\leq 7.0\text{dB @ DCS Band}$

System Characteristics	Specification
Maximum Input Power Without Damage	0 dBm
VSWR	
BTS Ports	< 2:1
MS Ports	< 2:1
Spurious Emissions	$\leq -36\text{dBm}(9\text{KH to}1\text{GHz})$ $\leq -30\text{dBm}(1\text{GHz to}12.75\text{GHz})$
Power Supply	DC +12V
RF Connectors	N female

Environmental Characteristics	Specification
Operating Temperature Range	0°C to +55°C
Humidity	5%~95%