

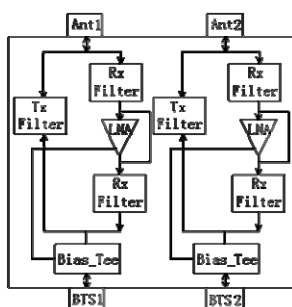
# UMTS Tower Mounted Amplifier

■ **Model :** TMA2000-60M-DD

■ **Technical Specification**



■ **Diagram**



■ **Features**

- ◆ Apply in BTS
- ◆ Enhance BTS sensitivity
- ◆ Apply in wide coverage BTS
- ◆ Can be matched with MCPA
- ◆ Applied in remote areas and most rural areas

## Tx Characteristics

Frequency Range	2110-2170 MHz
Bandwidth	60 MHz
Insertion Loss	0.60dB (Typically)
Ripple	<0.4dB
Input Power	<100W (CW)
Intermodulation in Rx Band	<-120dBm (2Tx at 43dBm)
VSWR	≤1.4
Isolation	≥45dB

## Rx Features:

Frequency Range	1920 MHz-1980 MHz
Bandwidth	60 MHz
Noise Figure	<1.8dB
Gain	12dB
Ripple	<±0.5dB
Loss In By- Pass Mode	1.7dB (DC OFF)
OIP3	+25dBm
VSWR	≤1.4

## Environmental Parameter:

EMC	ETS 300 342-3
Working Temperature	-40 ~ +85 °C
MTBF	> 50000 Hours (per TMA)

## Power Supply

Power	DC+12V; 150mA per TMA
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## Mechanical Features:

RF Connector	7/16 Female
Holding Installation	Use 4pcs bolts to fasten (maxi bolt is M8)
Install in Bracket or Wall	Use hoop to fasten
Dimensions(L*W*H)	300*186*69 mm <sup>3</sup>
Weight	6 kg