

## MR-AM2100-X

### Power Amplifiers - Cellular Bands

MARS Power Amplifiers feature high efficiency, linearity and stable performance.

Amplifiers feature small size allowing for easy installation.

Can be customized to meet customer's requirements.



### Specifications

#### **Electrical**

Standard	IMT2000, UMTS
Frequency range, MHz	2110-2170 MHz
Gain	11 dB
GAIN Flatness, max.	±0.5 dB
VSWR, max.	2 : 1
Output Power @ 1 dB Compression Point	+38dBm
Noise Figure, max.	5 dB
Output IP3 @ 2 tone/27dBm	+50 dBm
Impedance	50 Ohm
Shut Down (ON/OFF)	+5V @ 25uA
Operating Voltage	9 VDC @ 1.2A (at 30 dBm RF Pout)

#### **Mechanical**

Dimensions	60 x 50 x 20 mm (Without Heat Sink)
RF Connectors	SMA, Female
DC Connector	Feed Through

#### **Environmental**

Operating Temperature Range	-20°C to +50°C
Humidity, min.	95% RH, IEC 60068-2-56
Splash, Dust	Protected

MARS Antennas & RF Systems proprietary information

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