

**869-894 MHz 600 mW CDMA Power Amplifier***General Description*

The NA00281 is a 600 mW CDMA power amplifier. It is a single biased (+12 V) power amplifier that operates between 869 MHz and 894 MHz. The amplifier incorporates internal forward power detection.

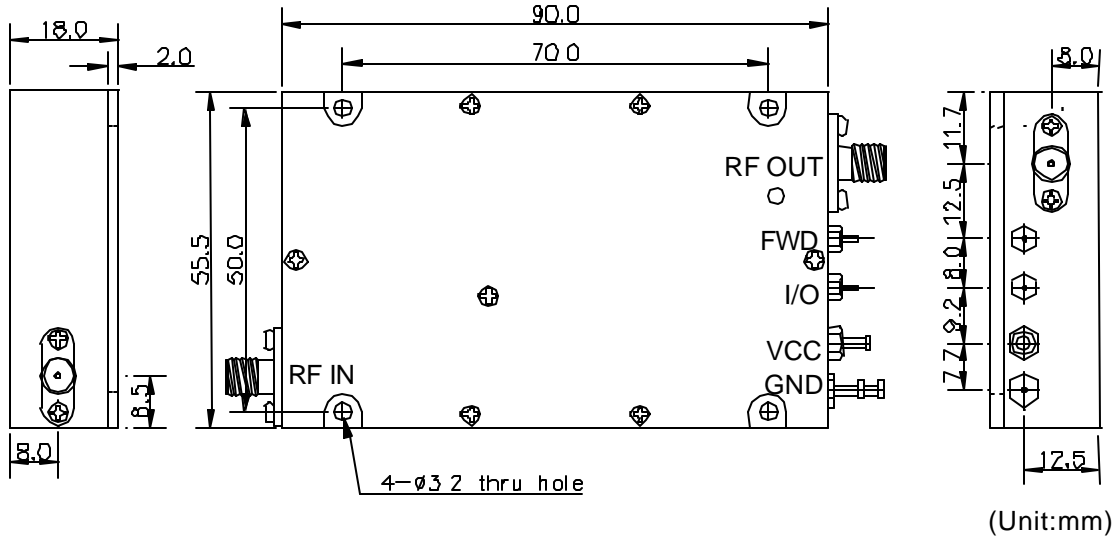
*Performance 0 to 60 °C, Vcc = +12 V*

Parameter	Min.	Typ.	Max.	Units
Frequency	869		894	MHz
CDMA Average Output Power		0.6		W
Gain	34	35	36	dB
Gain Flatness			± 0.5	dB
Gain Variation Over Temperature			± 1.0	dB
3 <sup>rd</sup> Order Intercept Point at 25 dBm/tone output power		54		dBm
Noise Figure			10	dB
Input VSWR			1.5 : 1	
Output VSWR			1.3 : 1	
DC supply voltage (Vcc)		+12		V
Current			1.4	A
Operating Temperature (Ambient)	0		60	°C

Customized Designs: For custom designs, including both electrical and mechanical, please contact us at [sales@nextec-rf.com](mailto:sales@nextec-rf.com).

## 869-894 MHz 600 mW CDMA Power Amplifier

### Outline Drawing



### Connector Description

Name	Description
RFIN	(I) RF input signal (SMA-F)
RFOUT	(O) RF output signal (SMA-F)
VCC	(I) DC Input +12 V
GND	Ground
I/O	(O,H) Turn off the Amplifier
FWD	(O) Forward Power Detection Output. 4.5 V output at 28 dBm CDMA average output power

(I: Input, O: Output, H: High Active, L: Low Active)

Customized Designs: For custom designs, including both electrical and mechanical, please contact us at [sales@nextec-rf.com](mailto:sales@nextec-rf.com).