

Product Information: Rev 1A, Issue November 2015

AM-0727-30 is designed as compact high flat gain and high output level 0.5W amplifier for frequency range 0.7-2.7GHz.

KEY FEATURES

- High gain
- High linearity
- Solid case
- Small dimensions

APPLICATIONS

- Radio-monitoring
- Laboratory
- Measurement systems
- Cable loss compensation

TECHNICAL SPECIFICATIONS

Absolute maximum ratings

Device voltage	+15	V
CW RF input power	0	dBm
Output load VSWR (recommendation)	2:1	

NB! As far as possible use with external heat sinking radiator.

RF characteristics

Frequency range	700-2700 (usable from 400MHz up to 2800MHz)			MHz
IN/OUT impedance	50/50			Ohm
Frequency	700	1800	2700	MHz
Gain	32	32	30	dB
Gain flatness	typ. ±1			dB
Input return loss	12	12	10	dB
Output return loss	20	15	15	dB
Output 1dB	28.0	28.0	27.5	dBm
Output IP3 spacing 1MHz, +7dBm each tone	40	40	40	dBm
Noise figure	2.2	2.2	2.5	dB
Voltage supply	DC +12			V
Current consumption	530			mA
RF connector type	SMA-female / SMA-female			
DC connector type	Soldering pins			
Enclosure type	Indoor, aluminum			
Dimensions without connectors	80x57x17			mm

* Measured at temperature T=+25°C

Rantelon reserves the right to change the specification without notice.