


Features:

- **high linearity;**
- **wide frequency range;**
- **low dimensions and weight;**
- **input control of turning on/off;**
- **input/output impedance 50 Om;**
- **flatness of characteristics;**
- **perfect reliability.**

Our Module RS/HPA-2.0-6.0-10W is solid-state wideband amplifier can support 10W in output in all frequency range. This compact module was made with using new innovation technologies which can help reach high efficiency in all working frequency. Amplifier power supply is in range 12 - 26 V due to build-in converters.

Technical specifications (Test conditions Vdd = 12V; T = 25°C; Zin = Zout = 50Ω)

Parameter	Unit	Min	Typ	Max	Note
Frequency range	MHz	2000	-	6000	-
Gain	dB	40	42	-	2000 - 6000 MHz
Gain ripple	dB	-	±2,0	±2,5	2000 - 6000 MHz
Output power P1db	dBm	-	38	-	2000 - 6000 MHz
Output power Psat	dBm	40	41	-	2000 - 6000 MHz
Inverse loss (input)	dB	-	-10	-	-
Inverse loss (output)	dB	-	-10	-	-
Supply voltage Vdd	V	11	12	26	-
Current on line rate	A	-	3,5	-	-
Current on saturation mode	A	-	5,5	-	CW 1-tone
Switching time	μs	-	1	5	On : TTL "High" Off: TTL "Low"

Mechanical and exploiting characteristics

Dimensions	110x70x17
Weight	150 g
Operating temperature range	from -40 to +85

Wiring pigtail: type DG142R - 5.08-03P

Pinout - 1- ground; 2 - Vdd; 3 - On/Off.

The type of connector: SMA Female