

KU PA BB 070270-80 A-2.1.1, Power Amplifier

600 ... 2700 MHz • 100 W

analog & digital transmission systems test equipment jamming

- versatile application
- for all common mobile radio bands
- Excellent operational safety thanks to numerous protection and monitoring circuits



Features

- GaN technology
- Wide bandwidth
- High gain
- Monitor output for forward power detection
- Monitor output for reverse power detection
- SWR protection
- Power good indication
- Over temperature protection
- Gate Current protection

Application

- CW / pulsed systems
- Laboratory equipment
- Radar
- Jammer

Important notes

Please notice the following: The technical specifications refer to room temperature.

- The power amplifier doesn't contain any coaxial relays.
- The recommended combination of heat sink and fan(s) is only specified for an ambient temperature of 25 °C.
- Further information about dimensioning of heat sinks is available on our FAQ site.
- The recommended fans need a supply voltage of 24 ... 28 V DC.

Technical specifications:

Frequency range	600..2700 MHz
Maximum input power	+10 dBm
Saturation power	min. 49 dBm
	min. 80 W
Gain (small signal)	typ. 52 dB
IM3 (1)	typ. 22 dBc @ 80 W PEP
Efficiency	typ. 25 % @ 80 W (CW)
Input return loss (S11)	typ. 12 dB, min. 10 dB
ON voltage	+5 V DC
Supply voltage	+ 32 V DC
Quiescent current	typ. 2.8 A
Current consumption	typ. 13 A, max. 15 A
Forward detection	yes (diode detector)
Reflected power detection	yes (diode detector)
Operating case temp. range	-20 ... +55 °C

Input connector / impedance	SMA-female / 50 ohms
Output connector / impedance	SMA-female / 50 ohms
Case	milled aluminium
Dimensions (mm)	180 x 95 x 26
Weight	800 g (typ.)
(1)	Measured 2-tone, frequency spacing: 1 MHz