

UHF POWER AMPLIFIER KU PA 080090 – 08 A

Product ID: _____

Product Information

Specifications (Ta = 25 °C):		Features:
Type	KU PA 080090 – 08 A	- Reverse polarity protection - High linearity - Milled aluminium case - Small mechanical dimensions
Frequency range	800 ... 900 MHz	
Input power		
For P1dB	min. 14 dBm	
Maximum	21 dBm	
Output power		Applications:
P1dB	typ. 29 dBm (CW)	- Low power applications
P1dB	typ. 800 mW (CW)	- Analog transmission systems
P3dB	typ. 30 dBm (CW)	
P3dB	typ. 1 W (CW)	
Gain		Amplifier should be mounted on a heat sink!
Small signal	min. 15 dB	1) Two tone test; $\Delta f=1\text{MHz}$
Flatness (small signal)	typ. +/-0.5 dB	
Harmonics		CE Conformity:
Harmonic rejection @ 28.7 dBm	min. 28 dB	- EMC directive 2014/30/EU - Low voltage directive 2014/35/EU - RoHS directive 2011/65/EU
Intermodulation distortions		
IM3 @ 24.7 dBm PEP 1)	typ. 44 dBc, min. 43 dBc	
Efficiency @ 29 dBm (CW)	min. 20 %	
Voltage / Current		
Supply voltage	+12 ... 14 V DC	
Quiescent current	typ. 350 mA	
Current consumption	typ. 350 mA	
Limits		
VSWR of load	1.8:1	
Operating case temperature range	-20 ... +55 °C	
Mechanics		
Input connector / impedance	N-female, 50 ohms	
Output connector / impedance	N-female, 50 ohms	
Case	milled aluminium	
Dimensions (mm)	50 x 30 x 22	
Weight	typ. 90 g	



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Soll die Baugruppe direkt an der Antenne betrieben werden, ist ein Schutz gegen Feuchtigkeit erforderlich.
Der Einbau des Verstärkers in ein wasserdichtes Gehäuse ist deswegen unbedingt notwendig!

Additional protection against moisture is essential in case of outdoor installation.

Installation in a waterproof case is recommended!

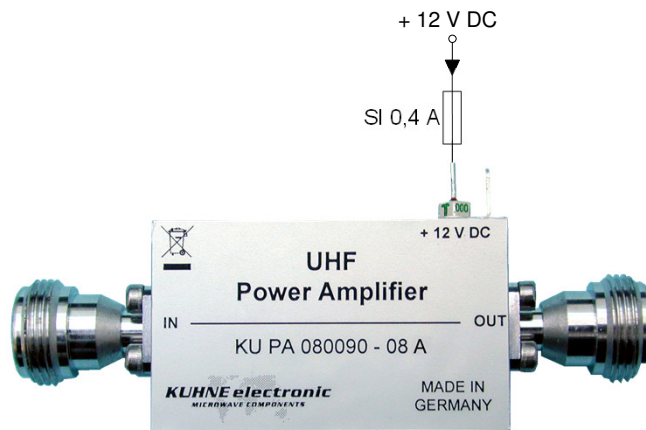


Für den Betrieb der Hochfrequenzmodule sind die entsprechenden gesetzlichen Vorschriften zu beachten.
Diese Erzeugnisse dürfen nur an weiterverarbeitende Betriebe oder lizenzierte Funkamateure verkauft werden.

Products are only to be sold to processing companies or radio amateurs with a licence.
For operating high frequency modules legal instructions must be followed.

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Produktinformationen / Product Information



Sig.: _____ QS: _____