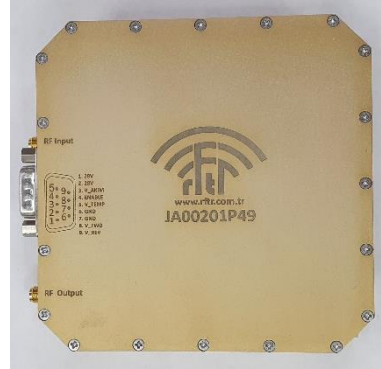




## JA00201P49FS / 20-100 MHz-80 W

JA00201P49FS is a high power, broadband MOS amplifier that operates from 20 MHz to 100 MHz. The power amplifier is ideal for various applications operating under severe environmental conditions.

- Solid-state Class AB design
- Instantaneous broad bandwidth
- 50 Ohm Input / Output impedance
- High reliability and ruggedness
- Unconditionally Stable Operation
- Small Dimensions and Light Weight
- Forward/Reflected Power Monitorings
- Enable Control-Fast Switching



Electrical Specification	
Frequency	20-100 MHz
Saturated Output Power	80W (typ.), 60 W (min..)
Nominal Gain	47 dB @ Pin=0 dBm (typ.)
Large Signal Gain Flatness	+/- 2 dB Pin=0 dBm
Input VSWR	2 : 1 (max.)
Load VSWR for Survival	$\infty$ : 1
DC Current Consumption	Typ. 5 A (Avg. @ Pout=60 W)
ON/OFF Switching Time	< 15 usec.
Enable OFF Output Noise	-150 dBm/Hz
Enable OFF $I_{DQ}$	<50 mA
RF In / Out Connector	SMA Female / SMA Female
I/O Map (D-sub 9 pin M)	1,2. 28V
	3. Current Monitoring
	4. Enable (Active Low)
	5. Temperature Monitoring
	6,7. GND





- 8. Forward Power Monitoring
- 9. Reverse Power Monitoring

### Environmental Specifications

Operating case temperature	-30 - +85 C
Storage temperature	-40 - +85 C

### Mechanical Specifications

Size (WxDxH)	108.6x108.6x37 mm
Weight	500 gr (max.)
Cooling	With a proper heat sink
Plating	Yellow chromate plating

Mechanical Outline (mm):

