



JA3945P53 / 390-450 MHz-200 W

JA3945P53 is a high power, broadband MOS amplifier that operates from 390 MHz to 450 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

Electrical Specification	
Frequency	390-450 MHz
Saturated Output Power	200 W (typ.), 180 W (min.)
Nominal Gain	50 dB @ Pout=53 dBm (typ.)
Large Signal Gain Flatness	+/- 1 dB
Input VSWR	2 : 1 (max.)
Load VSWR for Survival	∞ : 1
DC Current Consumption	Typ. 15.5 A @ Pout=53 dBm
DC Supply Voltage	28 V
RF In / Out Connector	SMA Female / N Female
I/O Map (D-sub 9 pin M)	A1. GND
	A2. 28V
	1,2. GND
	3. Reverse Power Monitoring
	4. Forward Power Monitoring
	5. Enable (Active Low)



