

## Модификация АК ИП-3602/2 (50 Вт, 2 ... 8 ГГц)



### Общие данные и возможности:

2 - 8GHz Frequency Range	Solid-state Class AB Broadband design
Psat.: 46.5dBm Min., 48.5dBm Typ.	High linearity, high efficiency
Gain: 50dB Min., 53dB Typ.	Suitable for pulse or CW applications
50 ohm input/output impedance	Small and light weight
Built-in control, monitoring and protection circuits	High reliability and ruggedness

### Спецификации: (T=25°C±3°C, VAC =220V, CW, Load VSWR<1.2)

Description	Min	Typ	Max	Unit
Operating Frequency	2		8	GHz
Output Power CW* @ Pin=-3 dBm	46.5	48.5		dBm
Output P1dB* CW	41	43		dBm
Gain @ Pin= -3 dBm	50	53		dB
Gain Flatness @ Pin=-3 dBm		±2.5	±3.0	dB
Input Power for Psat	-8	-3	0	dBm
2nd/3rd Harmonics @ Psat		-15/-25	-8/-15	dBc
Spurious Signals @ Pin= -3 dBm		-70	-60	dBc
Small Signal @ Pin= -30 dBm		66		dB
Small Signal Flatness @ Pin= -30 dBm		±5	±6	dB
Isolation (Disable Status)		90		dB
Input VSWR		1.5	2	/
Third Intermodulation Third Order 2-Tone @ 37dBm/Tone, 1MHz Space**		-25	-23	dBc
Supply Voltage (47~63Hz) /Single-Phase	90	220/50Hz	240	V
Power Consumption @ Pout= 50~100W		600	800	W

*Note\*:* Fundamental Power, Harmonics are excluded

*Note\*\*:* 10MHz Data is Available, please contact sales for further information.

### Условия эксплуатации и хранения (environmental):

Operation Temperature* <sup>1</sup>	-10...45°C
Storage Temperature Range	-25...75 °C
Relative-Humidity	95 %
Altitude* <sup>2</sup>	N/A
Vibration/ Shock* <sup>2</sup>	N/A

*Notes \*1:* Operation Temperature can be extended to -40~65°C. Contact Sales for update.

*Notes \*2:* Altitude /Vibration are designed with considerations, but without tests and experiments. Contact Sales for experimentally verified.

### Ограничения и предельные значения (limits):

Pin<10 dBm(Input RF level without damage)	Load VSWR<1.5:1 (50 Ohm )
Pin=-15 dBm	Load open or short for up to 10 minutes.
Pin=0 dBm	Load VSWR<3:1 for continuous operation
Thermal Degradation	55 °C