

Модификация АКИП-3602/1 (40 Вт, 700 МГц ... 6 ГГц)



Основные технические возможности:

0.9GHz - 6GHz frequency range	Solid-state Class AB Broadband design
Psat 46dBm Typ, 44.7dBm Min	Ultra-broadband Instantaneous Bandwidth
Power gain 46dB	Suitable for pulse or CW applications
50 ohm input/output impedance	Small and lightweight
Built-in control, monitoring and protection circuits	High reliability and ruggedness

Спецификации: (T=25°C±3°C, VAC=220V, CW, Gain 1/2MAX, Load VSWR<1.2)

Description	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	0.9		6	GHz
Output Power CW* @Pin= 0dBm	Psat	44.8	46		dBm
Output P1dB* CW	P1dB	42	44		dBm
Power Gain @Pin= 0dBm	Gp		46		dB
Power Gain Flatness @Pin=0dBm	ΔGp		±1.5	±2	dB
Harmonics @Pin=0dBm	2 nd /3 rd		-20/-25	-12/-15	dBc
Noise Figure (Optional)	NF		N/A		dB
Spurious Signals@Pin= 0dBm	Spur		-70	-60	dBc
Small Signal Gain @Pin= -30 dBm	Gss		46		dB
Small Signal Flatness @Pin= -30 dBm	ΔGs		±2.5	±3.5	dB
Isolation[Disable Status]	Iso		90		dB
Input VSWR	VSWR_IN		1.5	1.8	/
Output VSWR	VSWR_OUT		1.8		/
Gain Adjustment Range (Optional)		15			dB
Third Intermodulation Third Order 2-Tone @ 34dBm/Tone, 10MHz**	IMD3		-30	-25	dBc
Group Delay	GD		15	20	nS
Supply Voltage (47~61Hz) /Single-Phase	VAC	180	220/50Hz	260	V
Power Consumption @ Pout =45~46dBm	PC		260	340	W

Note*: Fundamental Power, Harmonics are excluded.

Note:** 100MHz Data is Available, please contact sales for further information.

Габариты и общие сведения:

Length*Width*Height[mm]	503 x 482.6 x132.5 (3U)
Weight[Kg]	18
RF Connector Input	Type N, Female
RF Connector Output	Type N, Female
RF Connector Forward Coupler (Optional)	Type N, Female
DC Connector RS-232	Dsub-9, Male
AC Connector	3 WIRE A/C Power Entry

Условия эксплуатации и хранения (environmental):

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

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

Notes *2: Altitude/Vibration is designed with experienced considerations, but without tests and experiments.

Ограничения и предельные значения (limits):

Pin<10dBm (Input RF level without damage)	Load VSWR<1.5:1 (50 Ohm)
Pin=-5dBm	Load open or short for up to 10 minutes.
Pin=0dBm	Load VSWR<3:1 for continuous operation
Thermal Degradation	55°C