Модификация АКИП-3602/6 (125 Вт, 6 ГГц…18ГГц)





Основные технические возможности:

6GHz -18GHz frequency range	Solid-state Class AB Broadband design
Psat 51dBm typ., 50dBm Min	Instantaneous ultra-broadband
Power gain 53 dB typ.	Suitable for pulse or CW applications
50 ohm input/output impedance	ALC and MGC is available in options
Reverse and forward power Display	High reliability and ruggedness

Спецификации: ***(T=25℃,VAC =220V, CW, Load VSWR<1.2)***

Description	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	6		18	GHz
Output Power-CW * @ Pin=0dBm	P_{SAT}	100	125		W
Power Gain @ Pin= 0dBm	Gp	50	53		dB
Power Gain Flatness	ΔGp		±1.5	±2.0	dB
Gain Flatness Leveled (ALC)**	ΔGp（ALC）		±1.0	±1.5	dB
Gain Adjustment Range（MGC***）	VVA	20			dB
Input Power for Rated P_{SAT}	PIN	-5	0	2	dBm
2nd/3rd Harmonics @ Pin=-5 dBm	2^{nd} /3^{rd}		-15/-25	-9/-15	dBc
Small Signal Gain @ Pin= -25 dBm	Gs		62		dB
Small Signal Flatness @ Pin= -25 dBm	ΔGs		±2.5	±3.5	dB
Spurious Signals@ Pin=0dBm	Spur		-70	-60	dBc
Input Return Loss	S_{11}			-10	dB
Supply Voltage (47~61Hz) /Single-Phase	V_{AC}	180	220/50Hz	260	V
Peak Power Consumption @ Pout =100~150W-CW	P_D		1000	1600	W
System Turn-On Time	Ton			1	S

Note：CW measurement performed in MGC Mode（Manual Gain Control）*
*Note**：ALC power can be set to the range of 30dBm~50dBm.*
*Note***：MGC can be set to the range of 0dB~30dB.*

Габариты и общие сведения:

Cooling	Built-in internal forced air cooling system
Width*Height*Deep[mm]	482.6 x 221.5 x 500 (5U)
Weight[Kg]*	38 (Net Weight, without package)
RF Connector Input	Type N, Female
RF Connector Output	Type N, Female
DC Connector RS-232	Dsub-9, Male
AC Connector	3 position Standard Circular Connectors

Условия эксплуатации и хранения *(environmental):*

Module Operation Temperature*1	-10…45℃
Storage Temperature Range	-20…55℃
Relative-Humidity	N/A
Altitude*2	N/A
Vibration/Shock*2	N/A

***Notes *1: Amplifier** Operation Temperature can be extended to -40~65℃, Contact Sales for update.*
***Notes *2:** Altitude /Vibration are designed with considerations, but without tests and experiments. Contact Sales for experimental verification.*

Ограничения и предельные значения (limits):

Input RF drive level without damage	Pin≤10 dBm
Load VSWR @ POUT =80W	VSWR≤5:1 N/A
Thermal Degradation	55 ℃
VSWR protection	Forward Power > 20W and VSWR>5:1 N/A

Описание коннектора сетевого питания/*AC INTERFACE*

Pin #	Description	Specifications
1	L	Live Wire
2	N	Neutral Wire
3	GND	Earth Wire

Описание коннекторов ***/ INTERFACE RS-232 [D-Sub 9-Pin, Male]***

Pin #	Description	Specifications
1	GND	Ground
2	Shutdown	Amplifier Disable: TTL Logic High (3.3V) (Internally Pulled-Low)
3	RS-232-TxD	Transmitted Data - TxD
4	RS-232-RxD	Received Data - RxD
5	GND	GND, Sig.GND
6~9	Reserved	Reserved