Модификация АКИП-3602/3 (100 Вт, 700 МГц … 2,7 ГГц)



Основные технические возможности:

0.7GHz - 2.7GHz frequency range	Solid-state Class AB Broadband design
Psat 50dBm Typ	Instantaneous ultra-broadband
Power gain 50dB	Suitable for Modulated Signals Test
50 ohm input/output impedance	Better harmonics and Gain Flatness
Built-in control, monitoring and protection circuits	High reliability and ruggedness

Спецификации: ***(T=25°C, AC Voltage= 220V, Load VSWR ≤ 1.2)***

Description	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	0.7		2.7	GHz
Output Power CW* @ Pin= 0 dBm	Psat	49	50		dBm
Output P1dB* CW	P1dB	48	49		dBm
Power Gain @ Rated PSAT	Gp		50		dB
Power Gain Flatness @ Rated PSAT	ΔGp		±1.3	±1.6	dB
Harmonics @ Pout =50±0.5dBm	$2^{nd}/3^{rd}$		-20/-20	-12/-15	dBc
Noise Figure	NF		8	10	dB
Spurious Signals @ Pin= 0 dBm	Spur			-60	dBc
Small Signal Flatness	Gs		±1.5	±2	dB
Isolation[Disable Status]	Iso		90		dB
Input VSWR	VSWR_IN		1.3	1.5	/
Output VSWR	VSWR_OUT		1.5		/
Third Order Intercept Point 2-Tone @ 41dBm/Tone, 1MHz Space(If Needed, Please Contact)	IP3		+55		dBm
Supply Voltage (47~61Hz) /Single-Phase	VAC	180	220/50Hz	260	V
Power Consumption @ Pout =50±0.5dBm	PC		520	600	W

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

Габариты и общие сведения /Cooling External Heat Sink Needed (**опция**)

Length*Width*Height mm	482.6 x 132.5 x 506 (3U)
Weight[Kg]	13
RF Connector Input	Type N, Female
RF Connector Output	Type N, Female
DC Connector RS-232	Dsub-9, Male
AC Connector	3 WIRE A/C Power Entry

Условия эксплуатации и хранения *(environmental):*

Module Operation Temperature*[1]	-10…55°C
Storage Temperature Range	-25…75°C
Relative-Humidity	95%
Altitude*[2]	N/A
Vibration/Shock*[2]	N/A

Notes *1: Module Operation Temperature can be extended to -20~65°C, Contact Sales for update.
Notes *2: Altitude /Vibration are designed with considerations, but without tests and experiments.

Ограничения и предельные значения (limits):

Pin<15 dBm (Input RF level without damage)	Load VSWR<1.5:1 (50 Ohm)
Pin=-3 dBm	Load open or short for up to 10 minutes.
Pin=0 dBm	Load VSWR<3:1 for continuous operation
Thermal Degradation	70°C

Описание коннекторов */DC INTERFACE [D-Sub 9-Pin, Female]*

Pin #	Description	Specifications
1	GND	Ground
2	SHUTDOWN	Amplifier Disable: TTL Logic High (3.3V) (Internally Pulled-Low)
3	Temperature Alarm	Abnormal: Logic High (3.3V) (Internally Pulled-Low)
4	Fan Alarm	Abnormal: Logic High (3.3V) (Internally Pulled-Low)
5	Power Amplifier Alarm	Abnormal: Logic High (3.3V) (Internally Pulled-Low)
6~9	N/C	No electrical connected, Reserved

Описание индикаторов лицевой панели / ***LED Indicators***

Description	Specifications
POWER ON	GREEN: AC-220V is POWER ON status
ENABLE	GREEN: Front Panel Button is ON status
OVER TEMP	RED: Temperature is over-limited, Amplifier shutdown
ABNORMAL	