Модификация АКИП-3602/4 (100 Вт, 1 … 6 ГГц)



Основные технические возможности:

1GHz - 6GHz frequency range	Solid-state Class AB Broadband design
Psat. 48 dBm Min, 50dBm Typ.	Instantaneous ultra-broadband
P1dB 43dBm Min, 46dBm Typ.	Suitable for pulse or CW applications
50 ohm input/output impedance	Flat Power Gain
Built-in control, monitoring and protection circuits	High reliability and ruggedness

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

Description	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	1		6	GHz
Output Power-CW @ Pin=0dBm	Psat	48	50		dBm
Output P1dB* CW	P1dB	43	46		dBm
Power Gain @ Pin=0dBm	Gp		51		dB
Power Gain Flatness@ Pin=0dBm	ΔGp		±2.0	±2.5	dB
Input Power for Rated PSAT	PIN	-3	0	2	dBm
RF Input Range	PIN_R	-50		10	dBm
Harmonics @ Pout =40~50W	2^{nd} /3^{rd}		-15/-25	-10/-15	dBc
Spurious Signals@ Pout =100W	Spur		-70	-60	dBc
Input Return Loss	S11			-10	dB
Third Order Intercept Point 2-Tone @ 40dBm/Tone, 10MHz	OIP3	+51	53		dBm
Supply Voltage (47~61Hz) /Single-Phase	VAC	180	220/50Hz	260	V
Power Consumption @ Pout =100~120W-CW	PPC		550	700	W

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

Length*Width*Height[mm]	482.6 x 132 x 503 (3U)
Weight[Kg]	22
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	-10…45°C
Storage Temperature Range	-20…55°C
Relative-Humidity	95%
Altitude*	N/A
Vibration/Shock*	N/A

note: With better design Considerations, if the experiment is needed, Please contact our sales for further information

Ограничения и предельные значения (limits):

Input RF drive level without damage	Pin≤10 dBm
Load VSWR @ POUT =100W	VSWR≤3:1 N/A
Thermal Degradation	55 °C

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

Pin #	Description	Specifications
1	GND	Ground
2	ENABLE	Amplifier Enable: TTL Logic High (3.3V) (Internally Pulled-Low)
3	Alarm	Abnormal: Logic High (3.3V) (Internally Pulled-Low)
4~7	N/C	No electrical connected, Reserved