



SARAS TECHNOLOGY LTD

creating wireless solutions

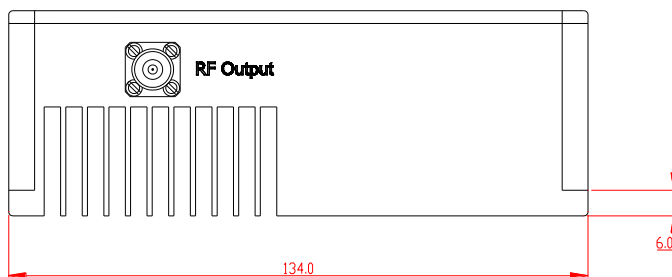
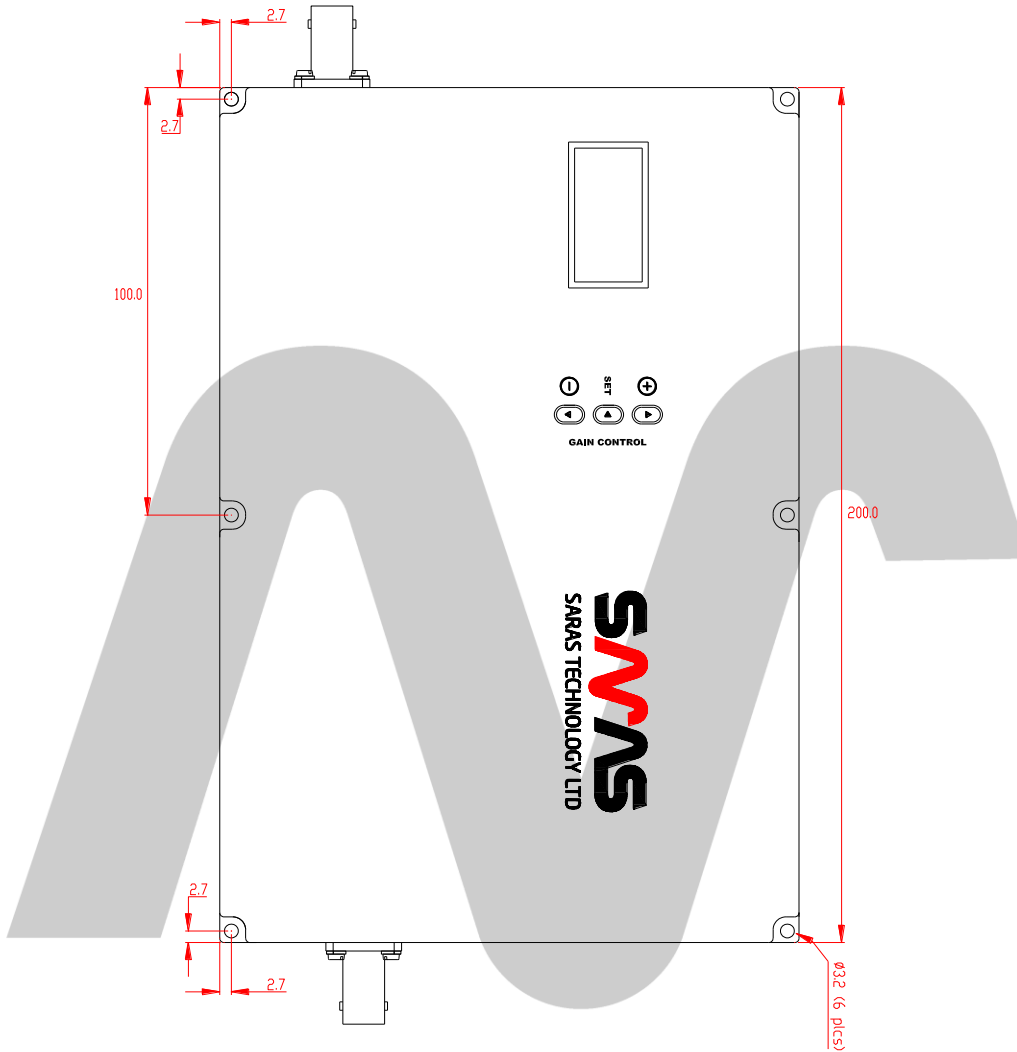
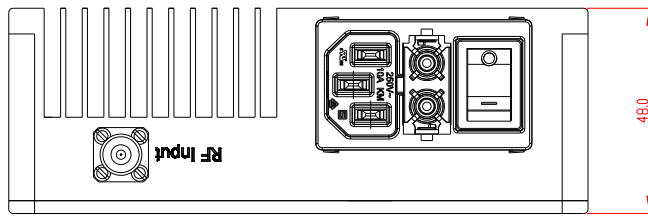
Product:	Variable Gain UHF Power Amplifier
SARAS Type Code:	SPA007



Parameter	Value	Remark
Electrical Specification		
Operating Frequency	400 - 1000MHz	
Gain	18-42dB	Variable Gain settable in 1dB step. Gain is programmable via push button LED display panel.
Gain Flatness	±1dB	Over full band
Input Power	0.3mW	Nominal input power
Output Power	5W	Nominal input power
Input/Output Return Loss	-10dB	Over operating band
Impedance	50Ω	
Power Supply	85-264 AC Mains 47-63Hz	AC Mains powered via 3 pin IEC inlet.
Operating Temperature	-10 to +50 °C	Baseplate
Interface		
RF Input/Output Connector	BNC Female	
Mains	Standard 3 pin IEC Inlet	
Mechanical		
Dimensions	200mm x 134mm x 48mm	Excluding connectors
Weight	1500g	
Interface Drawing	SPA007001A	
Surface Finish	Iridite NCP	
Limits		
Input RF Drive Level without damage	+20dBm max	
Load VSWR @ P _{out} = 5W	3:1 @ all loads phase and amplitude continuous	
Thermal Degradation	+60°C	

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