



SARAS TECHNOLOGY LTD

creating wireless solutions

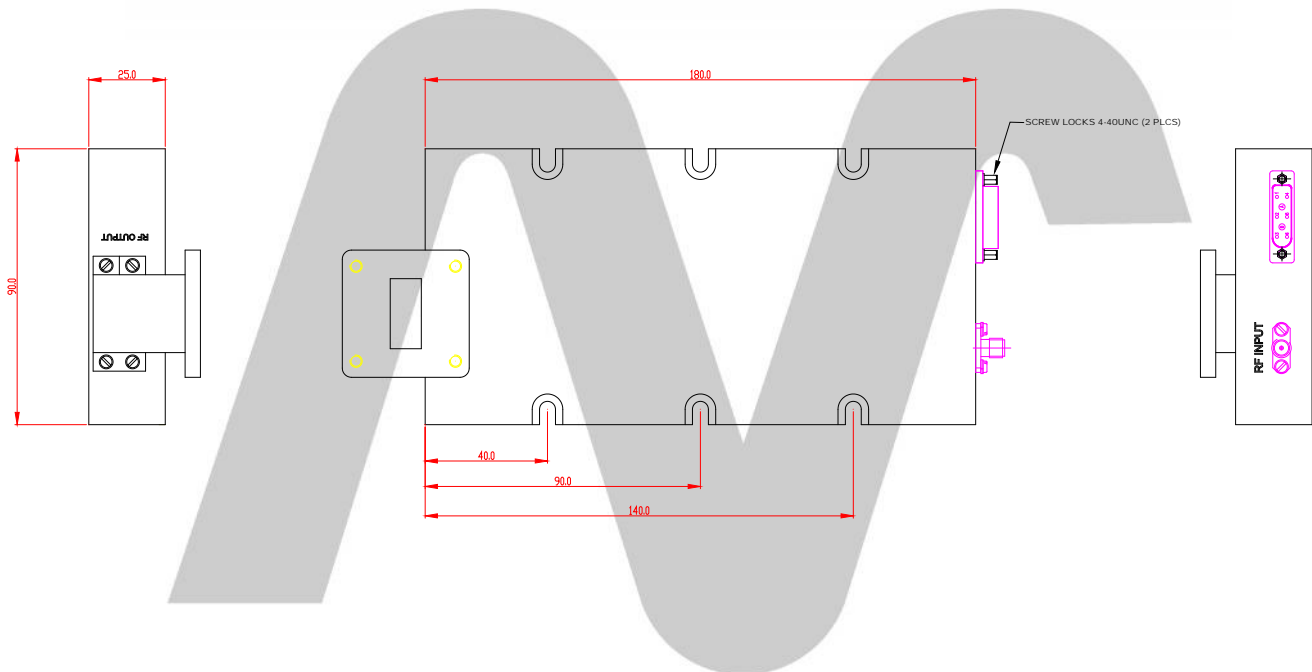
<b>Product:</b>	<b>200W Weather RADAR PA</b>
SARAS Type Code:	SPA9395-56-53

Parameter	Value	Remark
<b>Electrical Specification</b>		
Operating Frequency	9300-9500MHz	
Operating Bandwidth	200MHz	
Output Pulse Power	200W typ, 180W min	
Input Pulse Power	-3dBm	
Power Gain	56dB typ	
Gain Flatness	±0.5dB max	
Duty Cycle	10% max	
Pulse Width	100µS max	
Amplitude Pulse Drop	<1dB max	Measured with 100µS pulse at Peak Output Power
Harmonics 1 to N	60dBc min	
Non-Harmonic Spurious Level	80dBc min	
Rise / Fall Time	50ns typ	
Off State Isolation	-100dBc	
Input VSWR	<1.5:1	
Output VSWR	<1.5:1	
Switching Time	<300nS, typ250nS	
Phase Deviation	±20deg	
Efficiency	20% min	At rated output
Control interface	TTL logic	
Operating Temperature	-20°C to +70°C	Base Plate Temperature
Storage Temperature	-30°C to +90°C	
<b>Interface</b>		
RF Input Connector	SMA Female	
RF Output Connector	WR90	
DC and Control	Pin A = +50V Pin B = GND Pin 1 = ON/OFF Pin 2 = GND Pin 3 = Temperature Monitor Pin 4 = N/C Pin 5 = GND Pin 6 = GND	<ul style="list-style-type: none"><li>ON TTL HIGH, OFF TTL LOW</li><li>Connector is COMBO MICRO-D SOCKET (RECEPTACLE) GLENAIR P/N GMPM2-D113R-SP</li></ul>
<b>Mechanical</b>		
Dimensions	180mm x 90mm x 25mm	Main Body Size
Weight	1kg	Maximum
Interface Drawing	SPA9395001	
Surface Finish	Iridite NCP	

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Protection		
Thermal Shutdown	Auto shutdown when the temperature of AMP is over +80°C. Auto reset at +60°C	
Reverse Polarity	Unit protected against reversed supply	
Excessive Duty Cycle and Pulse Width	In case of Duty Cycle >20% and Pulse Width > 125μs the unit will Auto Shutdown.	
Reverse Power	Unit is reverse power protected.	



For Price and Delivery information please contact the Sales Team at  
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