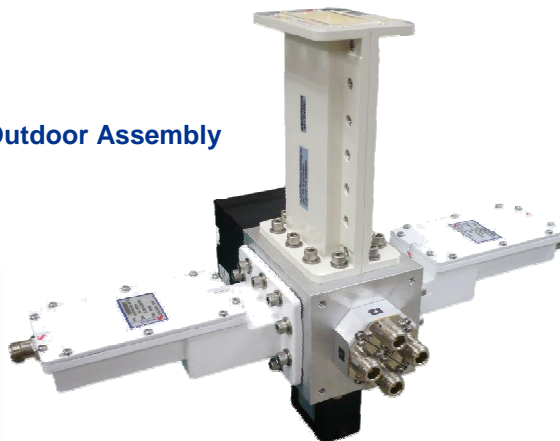


Indoor Controller



Outdoor Assembly



AM-9292 Series C-Band LNA 1+1 Redundancy System

Technical Details

System Performance

System Noise Temperature Contribution (above LNA Noise Temperature)	10 K
System VSWR	TX Reject Filter (3.4-4.2GHz)
System Switching Time	1.3:1
On-Line & Off-Line Isolation	120ms
Waveguide Switch Type	70 dB min
Gain Nominal with Controller	Latching
1dB Comp. with Controller	65dB
Third Order Intercept with Controller	+15dBm min
	+26dBm min

Monitoring & Control

Remote Access	
PC interface	RS232, Ethernet
Local Access	
Monitoring	Mode Indicator
	Receive Path Indicator "1"
	Receive Path Indicator "2"
	Active LNA or LNB Current
Control	Auto & Manual Mode Push Button for Path Selection

Low Noise Amplifier (Single)

RF Input Frequency	3.4-4.2GHz
Noise Temperature	30K typical at 25°C
Gain	55dB min
Gain Flatness (over IF BW)	±0.5dB
Gain Stability (-40°C to +60°C)	±2dB
Gain Stability with 24 Hrs	±0.2dB at 25°C
RF Input Connector	CPR-229G
RF Input VSWR	2.5:1
RF Output Connector	50 Ω / N-Type Coaxial Jack
RF Output VSWR	1.5:1 max
1dB Comp.	+5dBm min
Power Supply	11~24VDC



Cert No. E08093



ISO 9001



ISO 14001

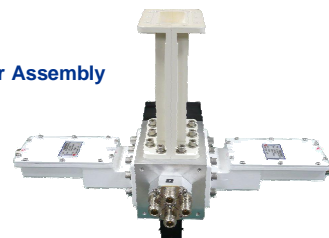


OHSAS 18001

Indoor Controller



Outdoor Assembly



AM-9292 Series C-Band LNA 1+1 Redundancy System

Technical Details

Classification	Parameter	Outdoor Assembly	Indoor Controller	Outdoor LNA	Waveguide Switch (RX)
Environmental	Temperature	-40 to +55°C	0 to +50°C	-	-
	Humidity	0 to 100%	0 to 95% (Non Condensing)	-	-
	Altitude	5,000 meters	3,000 meters	-	-
	Rain	20 Inches per Hour	-	-	-
	Wind	150 Miles per Hour	-	-	-
	Ingress Protection Level (Ext Int)	IP66 (Min)	-	-	-
Interface	RF Input	CPR229G	N-Type (50 Ohms)	-	-
	RF Output	N-Type (50 Ohms)	N-Type (50 Ohms)	-	-
	Sample Monitor	-	SMA-F (50 Ohms)	-	-
	Remote	-	RS232/Ethernet	-	-
	Power	N-Type (50 Ohms)	IEC-320	-	-
Power Requirements	Input supply Voltage	11~15VDC	100 ~ 240VAC	-	-
	Power Consumption	-	12W	1.7W	-
	Switching Current	-	-	-	0.33A
Mechanical	Dimensions (W x L x H)	450mm x 300mm x 250mm	19" Rack 1U height	-	-
	Weight	6.2kg	3.1kg	-	-

**All specifications & designs are subject to changes without notice*

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