

Electrical Specifications, T_A = 25°C

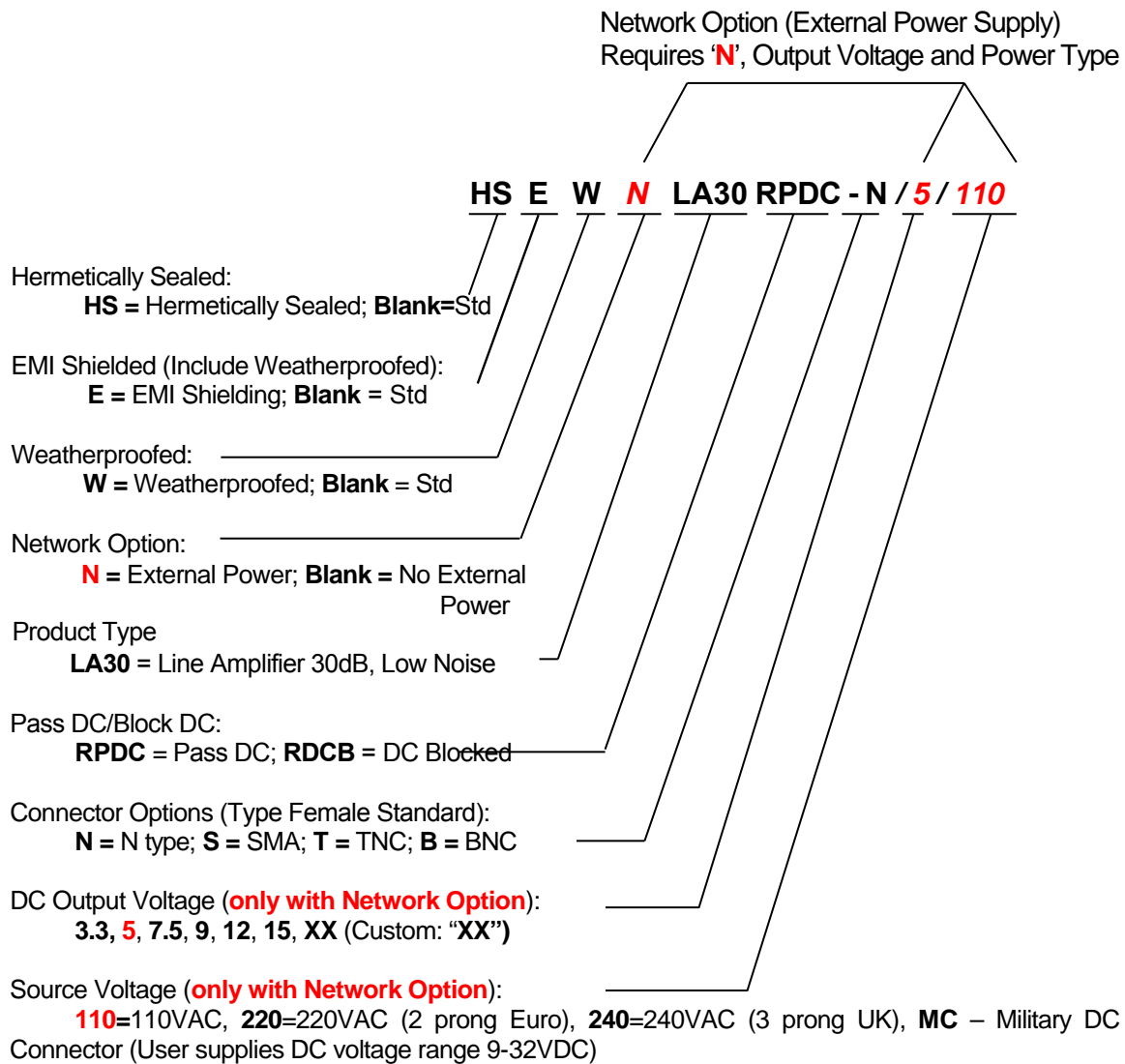
Parameter	Conditions	Min	Typ	Max	Units
Freq. Range	Antenna - J1	1.1	1.575	1.7	GHz
In/Out Impedance	Ant, J1		50		Ω
Gain	Ant – J1	29	30	31	dB
Input VSWR	J1 - 50 Ω			1.8:1	
Output VSWR	Ant – 50Ω			1.8:1	
Noise Figure	Ant – J1		1.5		dB
Gain Flatness	L5 – L1 , Ant – J1		1.8		dB
Reverse Isolation	J1 – Ant	50			dB
1dB Compression	Ant – J1		-32		dBm
3 rd Order Intercept	Ant – J1, Referred to Output		-22		dBm
DC Input Voltage	DC Input on J1	2.8		15	Vdc
DC Current	Amplifier current draw at 5vdc typical		36	40	mA

Available Options

Network Power Supply		
Source Voltage Options	VOLTAGE INPUT	STYLE
	110VAC	Transformer (Wall Mount)
	220VAC (2 prong Euro)	Transformer (Wall Mount)
	240VAC (3 prong UK)	Transformer (Wall Mount)
	DC input 9 – 32 VDC	Military Style Connector
Output Voltage Options ⁽¹⁾	2.8 to 15 VDC	500mA Max. Current
Pass/Block DC Options		
Pass DC ⁽¹⁾	All Ports Pass DC	
DC Blocked ⁽¹⁾	Ant is DC blocked, Pass DC J1/ Output	
RF Connector Options	CONNECTOR STYLE	COMMENTS
	Type N-female	No Charge
	Type SMA-female	No Charge
	Type TNC-female	No Charge
	Type BNC-female	No Charge

(1) With Network Option, any RF port (input or output can be DC blocked or can pass the network DC voltage.

Part Number Configuration

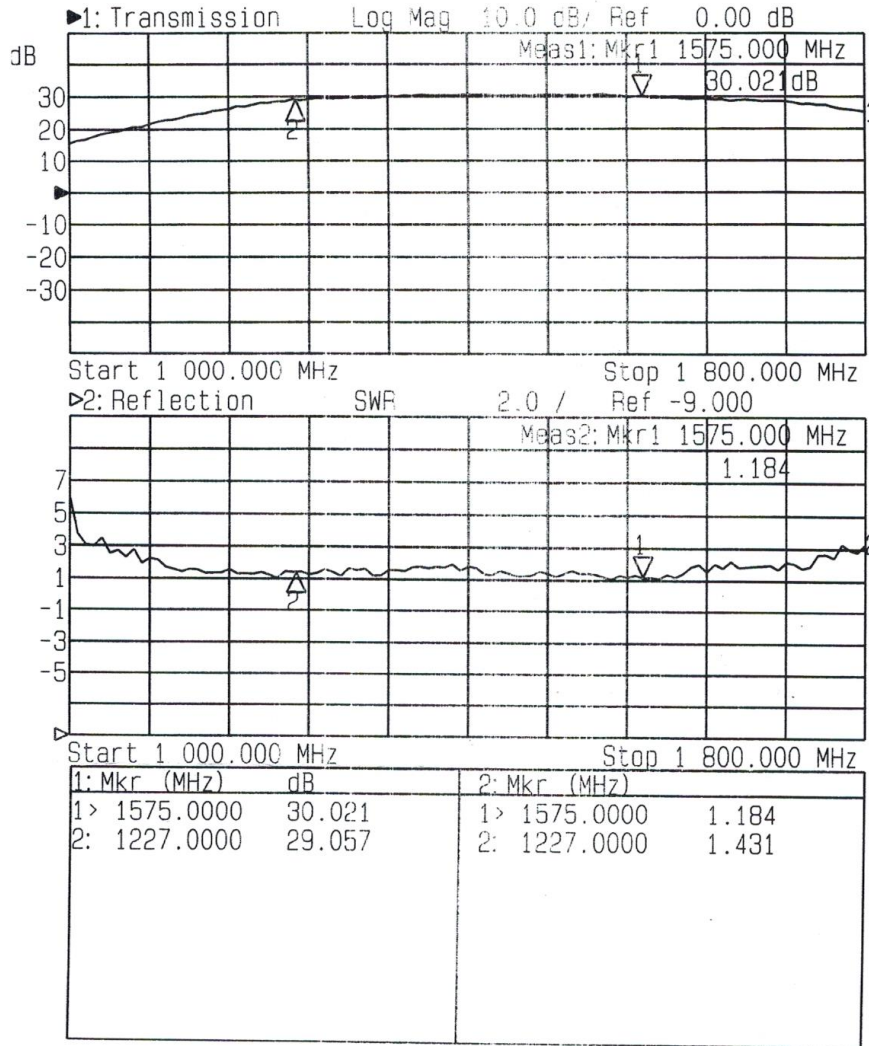


(Contact GPS Networking Technical Support at 719-595-9880 or salestech@gpsnetworking.com for any questions regarding non-standard configurations and corresponding part numbers)

Performance

LA30RPDC (Standard Gain)

Input SWR (Ant. port) and Frequency Response: Ant. To J1 (Typical, Type N connectors)



Mechanical

Dimensions: Height: 1.3"
 Length (not including connectors) Body: 2.5"
 Base Plate: 3.25"

 Width (not including connectors): 2.5"

Weight: 11 oz. (316 grams)

Operating Temp. Range: -40° to + 75°C

Finish Housing and Base Plate: ELECTROLESS NICKEL PLATED
 MIL-C-26074C CLASS 1, .0001-.0003 MAX
Finish Lid: ANODIZE, TYPE II, CLASS 2, BLACK, per MIL-A-8625

MC-Military DC
connector (optional)