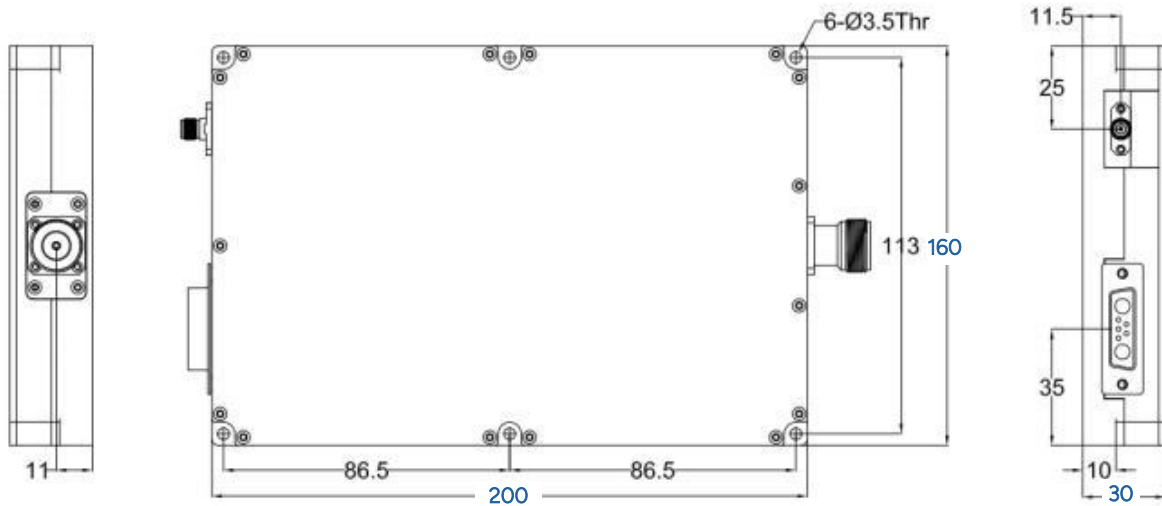


# 7–13GHz 100W Satellite Jamming Power Amplifier

## PA8276



### Electrical Specifications

Parameter	Symbol	Min.	Typ.	Max.	Unit	Notes
Output Frequency Range	$f_{OUT}$	7.0	-	13.0	GHz	-
Saturated Output Power	$P_{SAT}$	50	-	-	dBm	Continuous Wave (CW)
Power Gain	G	50	-	-	dB	-
Gain Flatness	$\Delta G$	-	-	$\pm 3$	dB	Over full band
Spurious Emissions	-	-	-	-60	dBc	-
Input VSWR	$VSWR_{IN}$	-	-	1.8:1	-	-
Input Port Impedance	$Z_{IN}$	-	50	-	$\Omega$	-
Second Harmonic Suppression	$2f_o$	-	-	-15	dBc	@ $P_{sat}$
Power Consumption	$P_{DC}$	-	-	800	W	At $P_{sat}$
Supply Voltage	$V_{CC}$	-	+28	-	VDC	-
Cooling Method	-	Natural Convection			-	No forced air required

### Mechanical Characteristics

Parameter	Specification	Notes
Weight	$\leq 3.0$ kg	Excluding heat sink
Dimensions (L × W × H)	$\leq 200$ mm × 160 mm × 30 mm	Excluding heat sink
RF Input Connector	SMA (Male) / SMA Plug	
RF Output Connector	N-Type (Male) / N Plug	
Power & Control Interface	D-SUB 7W2	

### Environmental Characteristics

Parameter	Min.	Typ.	Max.	Unit
Operating Temperature	-40	-	+55	°C
Storage Temperature	-45	-	+65	°C
Relative Humidity	-	-	< 95	%RH