

P/N: AMT-SPA-80120-80P

1- Electrical Specifications

Row	Parameter	Value			Unit
		Min	Typ	Max	
1	Frequency range	8		12	GHz
2	Signal type	Pulse			
3	Output power Saturation	49			dBm
4	Power gain		49		dB
5	Small signal gain ripple			±2	dB
6	Duty cycle			30	%
7	Pulse width			250	us
8	ATT adjusting Range (Small signal)	0		30	dB
9	ATT adjusting Step (Small signal)		0.5		dB
10	Input power level (achieve saturation power)		0		dBm
11	Input return loss			-10	dB
12	Harmonics @Psat			-40	dBc
13	Spurious signals			-60	dBc
15	Output mismatch protection	Isolator			
16	Operating voltage	27	28	29	V DC
17	Input and output RF Impedance		50		Ω

2- Mechanical specification

Row	parameter	value
1	Dimension (WxDxH)	120x80x20mm Approx..
2	Weight	0.5 Kg maximum
3	RF connector input	Type-SMA, Female
4	RF connector output	Type-SMA, Female
5	Power Supply and Data Connector	J30J-15ZK (plug will be supplied)
6	Cooling	External heatsink required, not supply

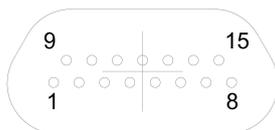
4- Environmental characteristics

Row	parameter	value
1	Operating temperature	-30~+65°C
2	Non- operating temperature	-40~+85°C
3	Relative Humidity	0-95%

5- Protections

Row	parameter	value
1	Input overdrive	Diode limiter protection
2	Reverse RF power	Isolator protection
3	Temperature	T>85°C: shutdown (output off)
4	Over current	Shutdown

6- Pin definitions



Pin #	Definitions	Descriptions
1	+28V	Power supply
2	+28V	Power supply
3	GND	Ground
4	GND	Ground
5	Pulse trigger	3.3V/5.0V TTL High: RF enable Low or NC: RF disable
6	ATT-0.5dB	High active
7	ATT-1dB	High active
8	ATT-2dB	High active
9	+28V	Power supply
10	+28V	Power supply
11	GND	Ground
12	GND	Ground
13	ATT-4dB	High active
14	ATT-8dB	High active
15	ATT-16dB	High active

7- Dimensions

TBD
Unit: mm