

# Portable Amplifier

Model No. APT-010180

Model APT-010180 is an ultra wide band amplifier delivering 100mW of RF power over 1-18GHz.

It is designed for convenient and versatile use in test set-ups and measurement systems where hand portability and ruggedness are important requirements



## General Specifications

Frequency Range	1-18GHz
Gain	35dB min.
Output Power 1dB GCP	20dBm min.
PSat	21dBm
Flatness	±2dB
VSWR Input/Output	2.0:1 max
Operating Temperature	-10 to +60C
DC Supply	+12V
Current	525mA typ.
RF Connector	SMA Female Input Type N Female Output
Robust Housing	129 x 84 x 67 mm
IP Rating	IP66/67
On/Off Locking Toggle Switch	
XLR DC Socket	
Green LED On/Off Indicator	

Typical Performance Data @ +25C

Frequency (GHz)	Gain (dB)	P-1dB (dBm)	Input VSWR	Output VSWR
1.0	42.90	23.80	1.39	1.30
10.0	40.50	24.90	1.20	1.51
18.0	40.50	21.00	1.21	1.70

We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.

## Active Components

Tel. +44 (0) 1376 550220 Fax. +44 (0) 1376 552145 Email: [sales@atlantecrf.com](mailto:sales@atlantecrf.com) [www.atlantecrf.com](http://www.atlantecrf.com)  
40A Springwood Drive, Braintree, Essex CM7 2YN, England