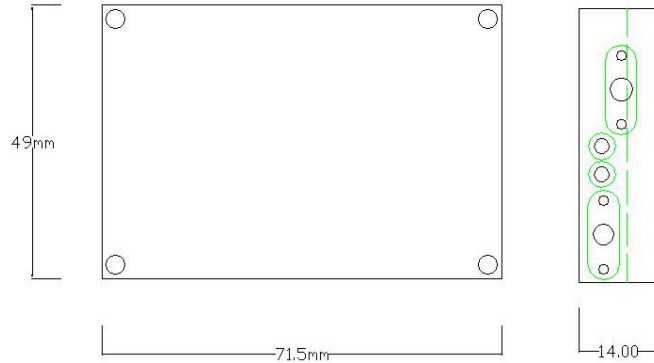


# Specification



<b>MODEL</b>	ABMA-1025-30 (-S)
<b>FREQUENCY RANGE:</b>	1000-2500MHz (GAIN TUNED 1000-1500 AND 2000-2500MHz)
<b>OUTPUT POWER:</b>	1W COFDM OR CDMA
<b>BANDWIDTH:</b>	1500MHz STANDARD
<b>DC POWER (NO RF):</b>	12V AT 0.16A NOMINAL (11-18V OPERATIONAL)
<b>DC POWER (+30dBm):</b>	12V AT 0.48A NOMINAL (11-18V OPERATIONAL)
<b>SIZE AND MASS:</b>	71x49x14mm 85g
<b>COOLING:</b>	BASE PLATE COOLED
<b>OPERATING TEMPERATURE:</b>	0°C - +45°C (Ambient)
<b>ENABLE:</b>	ON/OFF 0V = OFF, + 5V = ON (TTL)

<b>RF PERFORMANCE</b>	
<b>SMALL SIGNAL GAIN 1.5GHz</b>	14dB NOMINAL
<b>SMALL SIGNAL GAIN 2.5GHz</b>	15dB NOMINAL
<b>POWER GAIN AT +30dBm 1.5GHz</b>	13.5dB NOMINAL
<b>POWER GAIN AT +30dBm 2.5GHz</b>	14.5dB NOMINAL
<b>GAIN VARIATION:</b>	< 1.0dB ACROSS 1100-1400 AND 2000-2500MHz
<b>SPECTRAL RE-GROWTH:</b>	> -32dBc TO -36dBc AT 1W NOMINAL (* UNDER TEST CONDITION A)
<b>SPECTRAL RE-GROWTH:</b>	> -32dBc TO -36dBc AT 1W NOMINAL (* UNDER TEST CONDITION B)
<b>HARMONICS 1.5GHz:</b>	> -30dBc 1000-1500MHz NOMINAL
<b>HARMONICS 2.5GHz:</b>	> -60dBc 2000-2500MHz NOMINAL
<b>VSWR INPUT / OUTPUT:</b>	< 2.0:1 NOMINAL
<b>MISMATCH TOLERANCE:</b>	VSWR >10:1 ALL PHASE ANGLES AT 1W OUT.

<b>CONNECTORS</b>	
<b>RF INPUT / OUTPUT:</b>	SMA FEMALE
<b>DC POWER:</b>	FEED THROUGH
<b>ENABLE:</b>	FEED THROUGH
<b>OPTIONAL ENABLE:</b>	TTD HIGH SPEED SWITCHED VERSION -S TO PART NUMBER WHEN ORDERING
* TEST CONDITION A	+20dBm TX BACKED OFF FOR +30dBm OUT OF PA
* TEST CONDITION B	+20dBm TX AT FULL +20dBm WITH ATTENUATOR BEFORE PA
	04/06/2014 04/06/2014