

S band frequency synthesizer with analog tuning

- Internal high stability ref oscillator
- Low phase noise
- Single DC Supply Operation

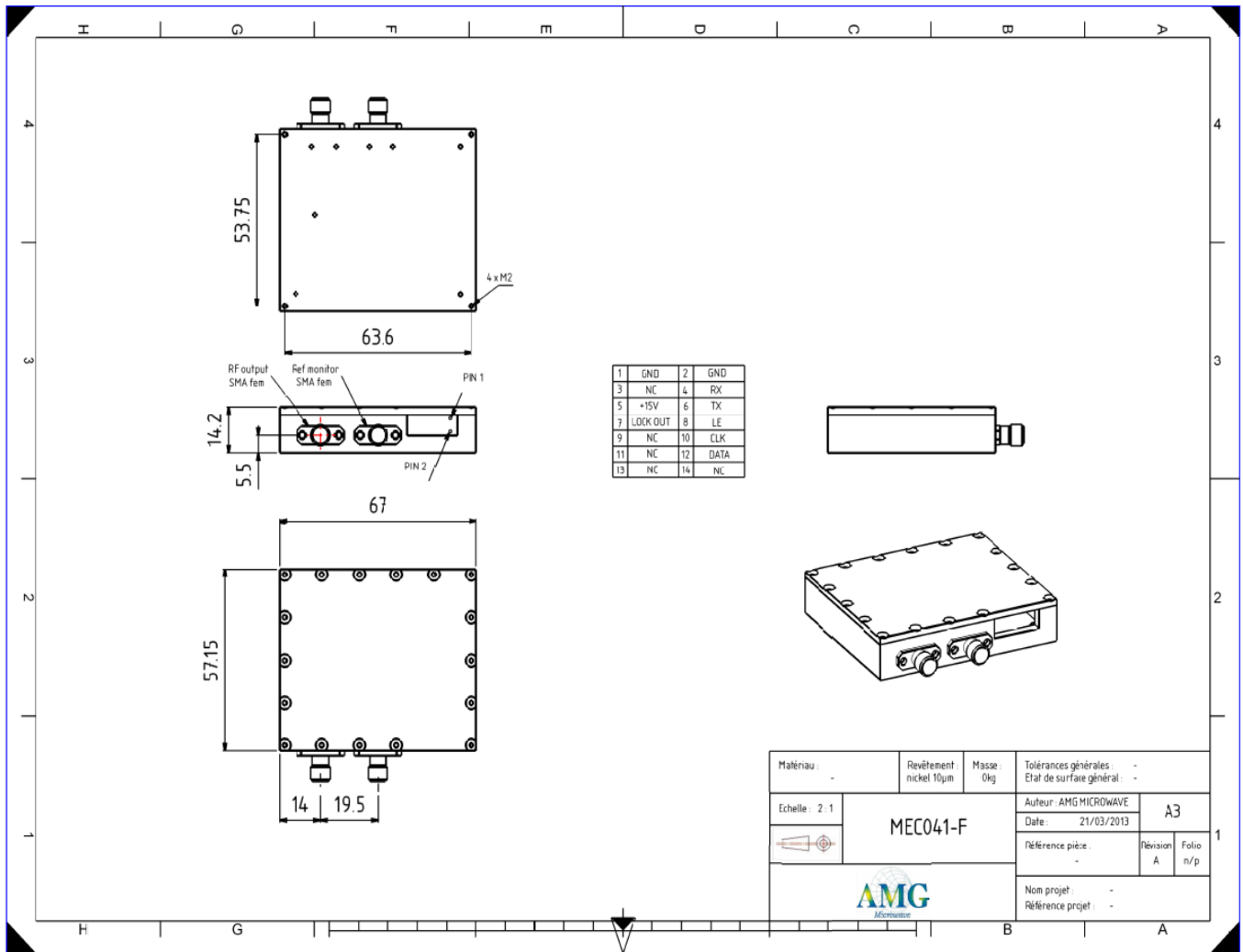
Option

- Other frequency on request (2.8-4.2GHz)
- External reference input
- Internal reference output
- +/-2.5ppm internal reference

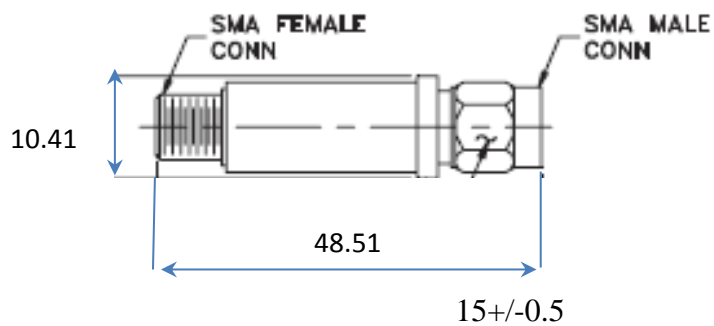
Typical Performance Specifications

Electrical specifications		Unit
Frequency	3695-3705	MHz
Frequency Step	100	KHz
Frequency tuning voltage	0 to +15	V
Stability (-20 +70°C Tcase)	+/- 20	ppm
Aging	3 / 1	ppm 1st year/ thereafter
Output Power (without external harmonic filter)	12 (min)	dBm
Output Power (with external harmonic filter)	11 (min)	dB
Phase Noise@10KHz	-90	dBc/Hz
Spurious (offset >100 KHz)	<-70	dBc
Harmonics / Sub-harmonics (without external filter)	<-30	dBc
Harmonics / Sub-harmonics (with external filter)	<-70	dBc
Alarm	high level TTL=locked	
Supply Voltage	15+/-0.5	V
Supply Current	300 (max)	mA
Mechanical specifications		
Size (MEC041 rev A)	120 x 85 x 29	mm
RF connector	SMA femelle	
Control	14 pin 2mm connector	
Environnement		
Operating temperature	-20 à +70	°C
Storing temperature	-40 à +80	°C

Outline Drawing



External filter outline Drawing



DISCLAIMER :

Different technical specifications are possible upon request, AMG reserves the right to make modifications to the design and characteristic of the product at any times and without prior notice