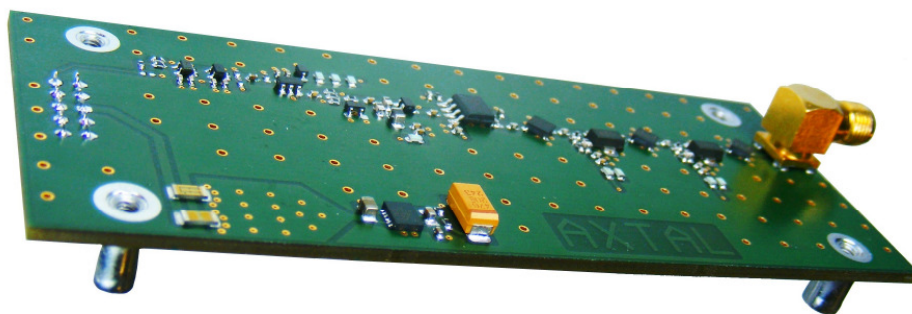


Specification	AXCM10G	Rev.: 1	Date: 2017-08-31
Module type:	10 GHz Frequency Counter Extension Module for Agilent/Keysight 5313x Series and 53181		

Features:

- Wide frequency range 100 MHz to 10 GHz, usable down to 80 MHz
- High input sensitivity -10 dBm to +20 dBm over entire frequency range
- Typical input sensitivity -20 dBm to +20 dBm from 0.3 GHz to 9 GHz
- Typical VSWR of $\leq 2:1$ up to 4 GHz
- Fast and easy mounting – Cables and mounting kit included



Parameter	min.	typ.	max.	Unit	Condition
Frequency range	0.1		10	GHz	Usable down to 80 MHz
RF input					
Input impedance	50			Ω	
Input sensitivity (see figure 1)	-10		+20	dBm	0.1 ~ 10 GHz
	-20		+20	dBm	0.3 ~ 9 GHz
	-30		+20	dBm	1 ~ 6 GHz
Input VSWR (see figure 2)			1.2	:1	0.1 ~ 1 GHz
			1.4	:1	1 ~ 2 GHz
		2.0	2.2	:1	2 ~ 4 GHz
Supply voltage		12		V	Internally supplied
Current consumption		320	360	mA	Internally supplied
Operating temperature range	-20		+50	$^{\circ}\text{C}$	
Enclosure (see drawing) (LxWxH)	106x42x19			mm	
Connector	SMA Female				@ Counter front panel
Mounting	See AppNote				
Packing	Box				Including mounting kit

Absolute Maximum Ratings

Parameter	min.	max.	Unit	Condition
Input level	-	+20	dBm	
Storage Temperature	-20	+85	$^{\circ}\text{C}$	

Ordering Code

Model	Revision	Frequency [GHz]
AXCM10G	Rev.1	10.000

Input sensitivity window

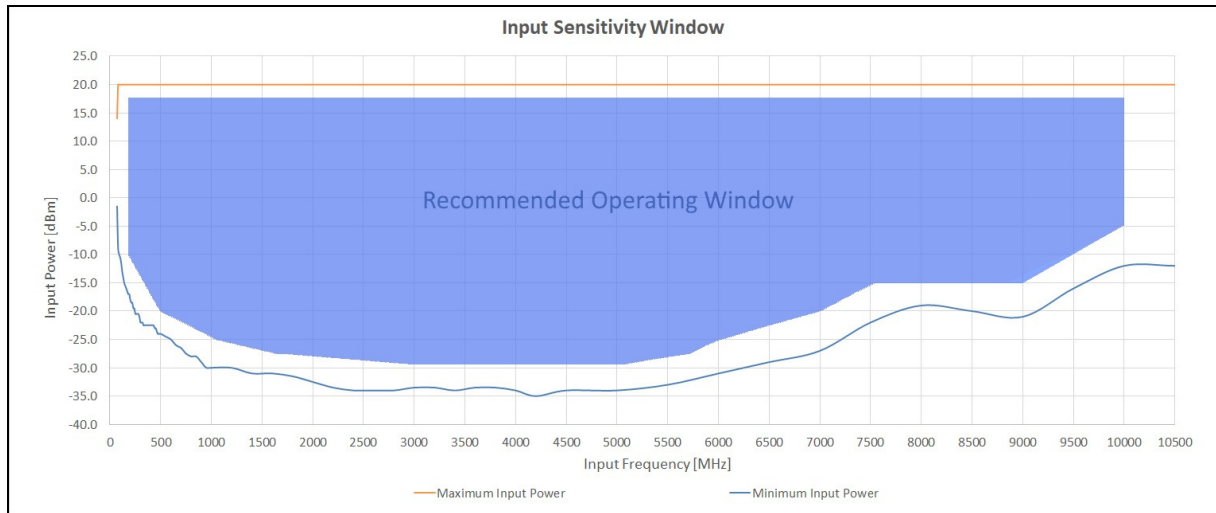


Figure 1 – Input Sensitivity Window

Input VSWR

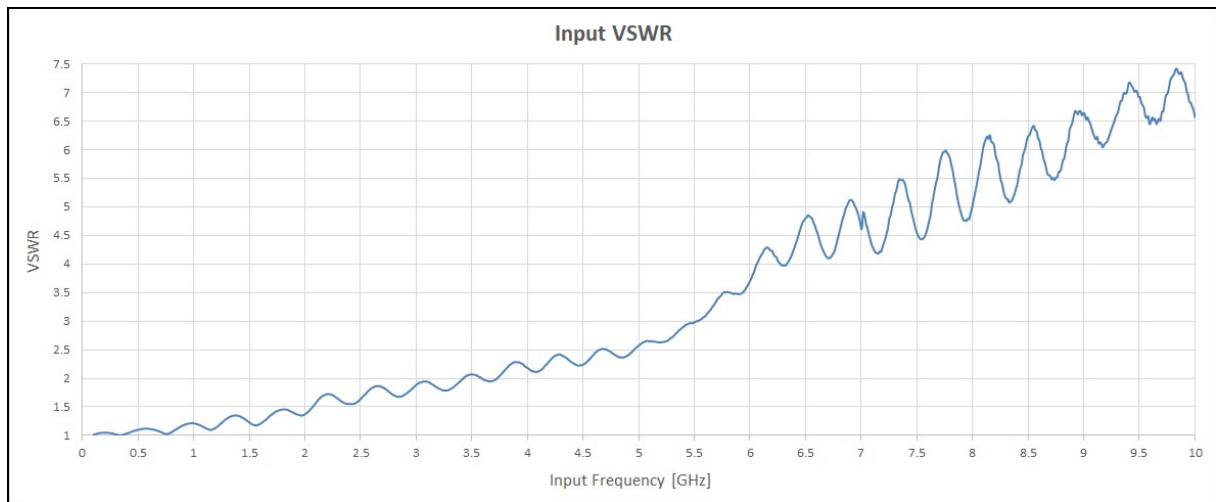
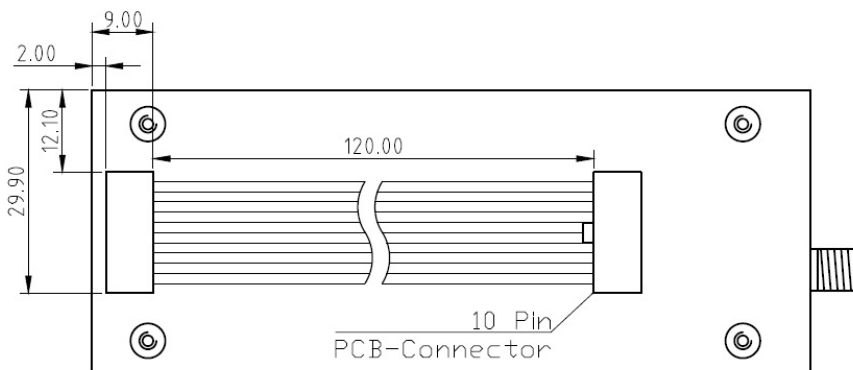
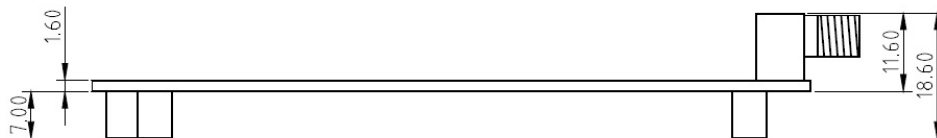
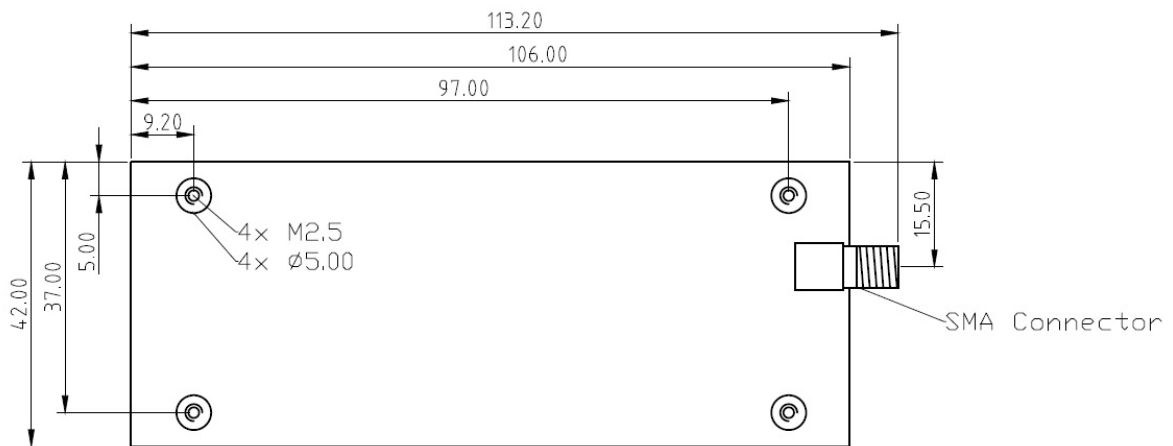


Figure 2 – Input VSWR

Enclosure drawing



Data sheet is for information purposes only and may be subject to modifications or may be discontinued without notice.

Revision History

Rev.	Drawing	Date [dd.mm.yyyy]	Remarks	Author	Checked
1	D0	31.08.2017	First issue	KS	HH