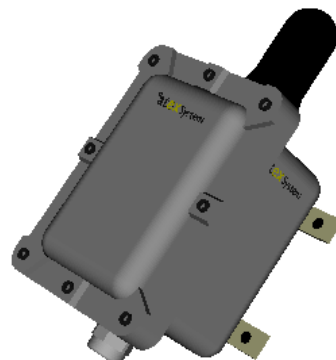




## CCF1GCTM1500A Coffret GPS antenne active atex

### Mode de protection:

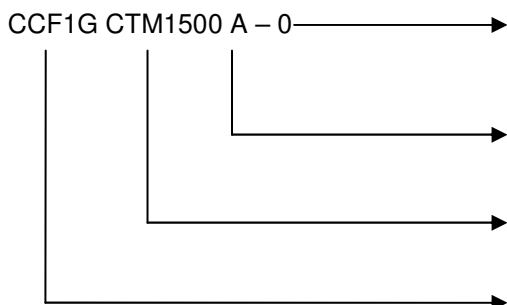
Type de protection: II 2G Ex d IIB  
 Classe de température: T5  
 Température ambiante: -20/+40°C  
 Zones: 1-2



### Description:

Antenne GPS 1,575.42MHz pour les zones ATEX 1 & 2 (Gaz). Coffret en fonte d'aluminium et antenne en laiton nickelé. Presse étoupe M20 non armé laiton nickelé avec kit joints 5.5-8 / 8-10.5 / 10.5-13mm. Connecteur d'antenne TNC femelle. Applications tels que réservoir de surveillance, plate-forme pétrolière, zone chimique, utilitaire de systèmes où présence de gaz.

### Référence:



#### Longueur de câble

0 : sans câble  
 5 : 5m de câble  
 10 : 10m de câble

#### Amplificateur

A114 40dB

#### Antenne

1,575.42MHz

#### Modèle de coffret

CCF1G

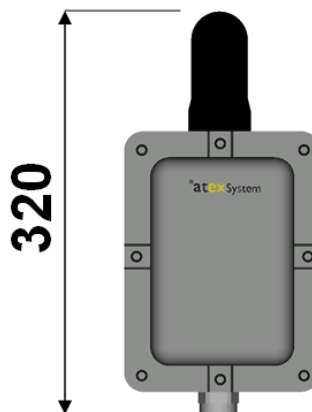
### Spécifications techniques de l'antenne:

- Fréquence: 1,575.42MHz
- Impédance: 50Ω
- Gain: 0.0 dBi
- Puissance max: 2 Watts
- Connecteur : TNC femelle

### Contenu globale de l'application

- 1 Antenne GPS
- 1 Amplificateur
- 1 Presse étoupe non armé M20 avec kit de joints
- 1 coffret CCF1G

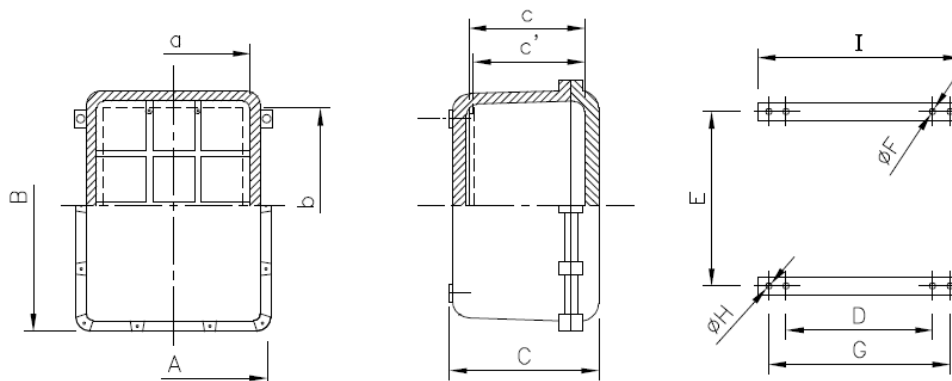
### Approx height (mm):





## CCF1GCTM1500A Coffret GPS antenne active atex

### Dimensions du coffret :



Modèle	Dimensions extérieur (mm)			Dimensions intérieur (mm)				Fixation (mm)					Poids (kg)	
	A	B	C	a	b	c	c'	D	E	F	G	H		I
CCF1G	150	200	127	93	143	96	94	104	110	M6	140	7	160	4,1

### A114 40dB Amplificateur:

#### Features

- Excellent Gain  $G > 40\text{dB}$
- Filtered option available
- Passes GPS
- 0dB to 40dB variable gain option available

#### Model supplied

A114T-SF (In-line Amplifier 40dB, tiny housing, SMA female)

Other models on request.



RF Connector Options:		
Connector Options	Connector Type	Limitations
	N (Male & Female)	
	SMA (Male & Female)	
	TNC (Male & Female)	
Housing Options:		
Housings	Housing Type	Limitations
	Mini,	None
	Tiny	SMA Only
Port Options:		
Pass DC	OUT Port Passes DC to IN	
DC Blocked	Blocks DC to IN Port	



## CCF1GCTM1500A Coffret GPS antenn active atex

Parameter	Conditions	Min	Typ	Max	Units
Freq. Range	IN – OUT, IN/OUT-50Ω	1.2		1.7	GHz
In/Out Imped.	IN, OUT		50		Ω
Gain <sup>(1)</sup> 1227MHz 1575MHz	IN – OUT, IN/OUT-50Ω	38 38	40 40	42 42	dB
Variable Gain Opt <sup>(1)</sup> 1227MHz: Max Gain: Min Gain: 1575MHz: Max Gain: Min Gain:	IN – OUT, IN/OUT-50Ω	37 -1 37 -1	38 0 38 0	39 1 39 1	dB
Filtered Opt <sup>(1)(2)</sup> 1227MHz: 1575MHz: Reject. (-50MHz) Reject. (+50MHz)	IN – OUT, IN/OUT-50Ω	37 -30 -42	38.5	0 39	dB
Input 1dB Comp.	IN – OUT, IN/OUT-50Ω	-41			dBm
Input IP <sub>3</sub>	IN – OUT, IN/OUT-50Ω	-33			dBm
Input SWR <sup>(1)</sup>	OUT Port - 50Ω			2.5:1	-
Output SWR <sup>(1)</sup>	IN Port - 50Ω			2.5:1	-
Noise Figure <sup>(3)</sup>	IN – OUT, IN/OUT-50Ω			2.0	dB
Gain Flatness	L1 – L2 , IN – OUT, IN/OUT-50Ω			3	dB
Group Delay Flatness	T <sub>d,max</sub> – T <sub>d,min</sub> , IN – OUT			1	ns
Reverse Isolation	OUT – IN	40			dB
DC IN	DC Input on IN/OUT port	3		16	VDC
Device Current	Current Consumption of device, excludes Ant. Cur.			20	mA
Ant/Thru Current	Non-Powered Configuration, DC Input on OUT port			250	mA
Max RF Input	Max RF input without damage			10	dBm

### Performance data :

