

40-512MHz Low Noise Amplifier

P/N: HT-LNA-00400512-21C

Description

The module is designed for both military and commercial applications. The latest device technologies and design methods are employed to offer high frequency and high performance in a small, light weight package.

Specification

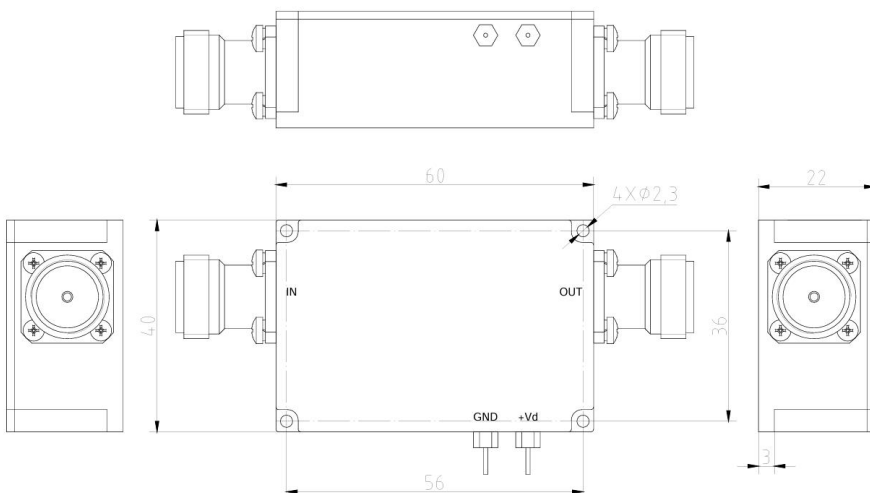
Typical performance at 12VDC +25°C, and in a 50Ω system.

RF / ELECTRICAL				
PARAMETER	MIN	TYP.	MAX	UNIT
Input/output parameters				
Freq range	40		512	MHz
Gain		30	32	dB
Gain flatness			±2	dB
Noise figure		2.5	2.8	dB
Input VSWR			1.2:1	
Output VSWR			1.6:1	
Output P1dB		21		dBm
Others				
Operating voltage	12		15	V
Current			200	mA

MECHANICAL		
PARAMETER	VALUE	UNIT
Dimensions (W x D x H)	60×44×22	mm
RF Connectors	N, Female	--
Power supply	Feed thru capacitor	--

ENVIRONMENTAL			
PARAMETER	MIN	MAX	UNIT
Operating Temp.	-40	60	°C

Outline Dimensional Drawing



Product Picture



Preliminary design dimensions: 60*44*22mm.

The final solution will be determined by further communication with the customer.