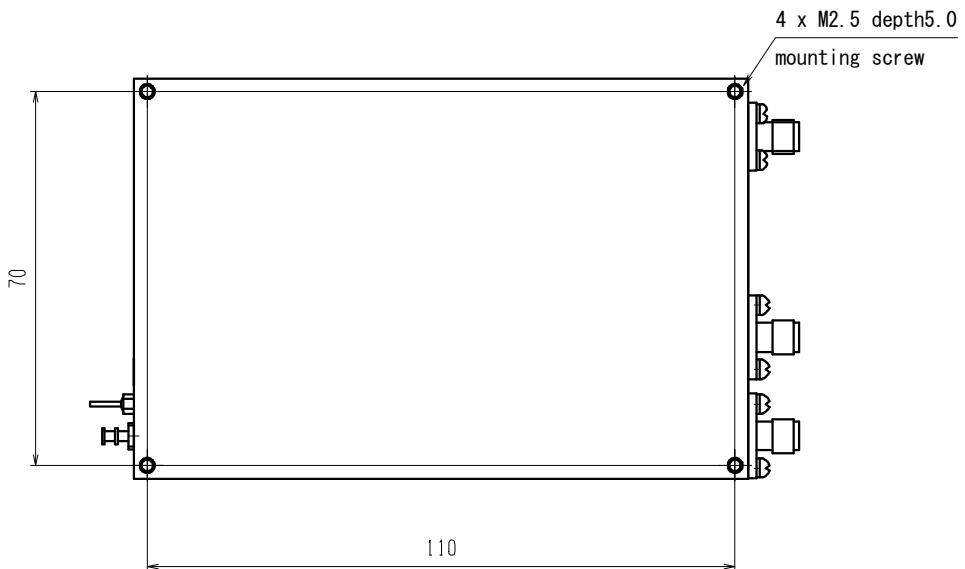
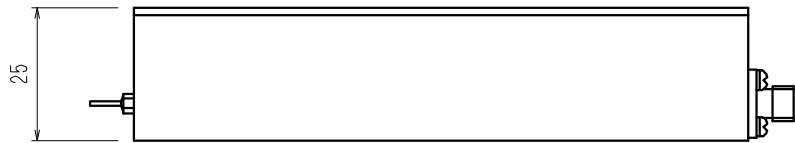
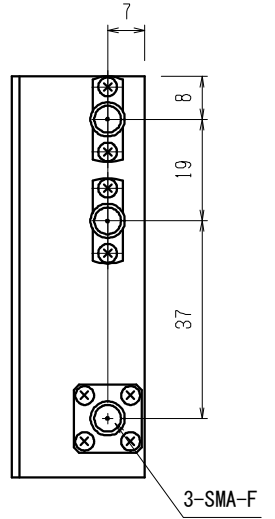
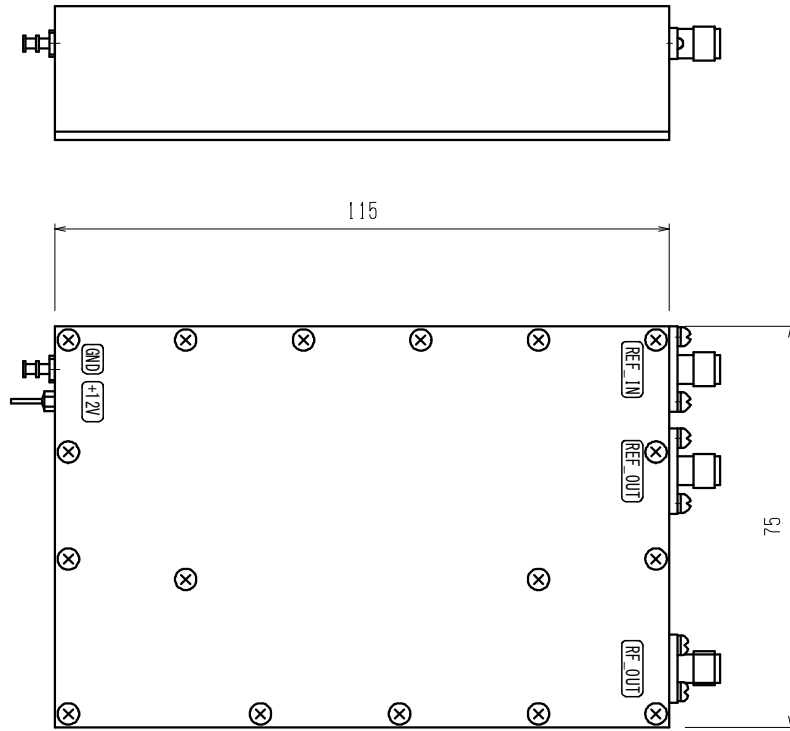
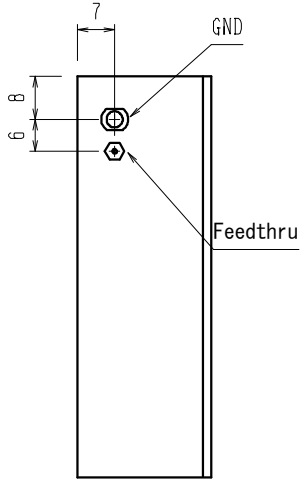


Specification for 2GHz Band Signal Sources  
Model: N-DCN-SS202-000 (1R)

Item	Specification	Note
1.0 Electrical Performance		
1.1 RF Output Signal		
1) Frequency Range	2.000 GHz	
2) RF Output Power	+10dBm Min.	RL=50 ohms
3) Phase Noise Level		
Offset 10 Hz	$\leq -76$ dBc/Hz	
100 Hz	$\leq -106$ dBc/Hz	
1 KHz	$\leq -131$ dBc/Hz	
10 KHz	$\leq -147$ dBc/Hz	
100 KHz	$\leq -149$ dBc/Hz	
1 MHz	$\leq -149$ dBc/Hz	
4) Spurious		
Non-Harmonics	$\leq -65$ dBc	
Harmonics	$\leq -35$ dBc	
1.2 External Reference		
1) Input Frequency	10.000MHz Sine Wave	
2) Input Level	0dBm typical	Input Impedance=50 ohms
3) Phase Noise Level	C/N $\leq -150$ dBc/Hz @100Hz	
4) Lock Range	$\geq \pm 1$ ppm	
1.3 Reference Output		
1) Output Frequency	10.000MHz Sine Wave	
2) Output Level	+6dBm $\pm$ 2dB,	RL=50 ohms
3) Phase Noise Level	C/N $\leq -150$ dB/Hz @100Hz	
*1 4) Frequency Stability	Same as Ext. Ref. IN	
1.4 DC Power	+12V $\pm$ 5% 600mA Max	
2.0 Temp. Range		
2.1 Operating	-20~+70deg. C	
2.2 Storage	-40~+70deg. C	
3.0 Package		
3.1 Package Size	115(L) $\times$ 75(W) $\times$ 25(T) mm Tolerance : $\pm 0.1$ mm	See attached
3.2 Connector	RF_OUT : SMA (F) REF_IN, REF_OUT : SMA (F) DC Power : Feedthrough	

\*1 Frequency Stability,  $1 \times 10^{-7}$  will be kept by Internal Reference when No External Reference in.



UNIT : mm

RoHS

MXO20 REV -

2.0GHz Band Signal Source  
N-DCN-SS202-000(IR)

NEL Frequency Controls, Inc.