



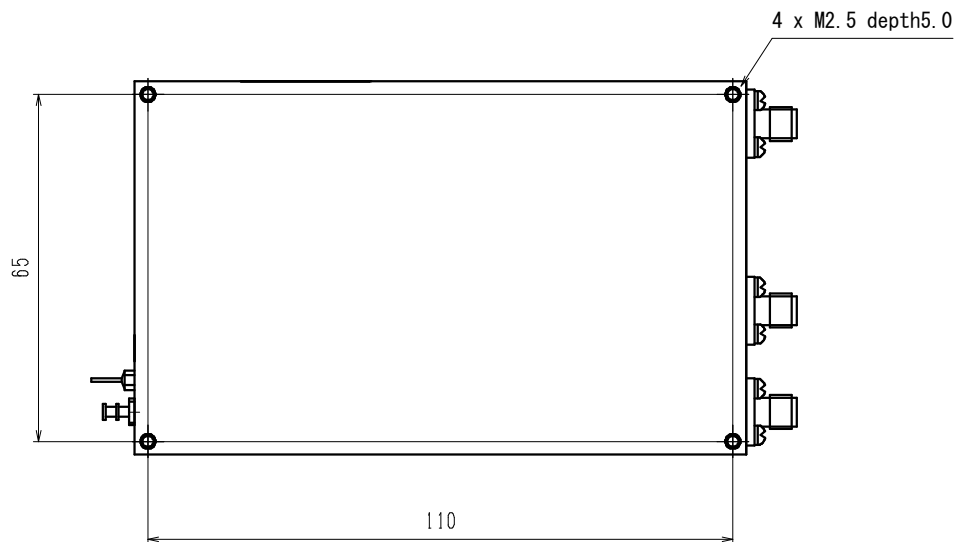
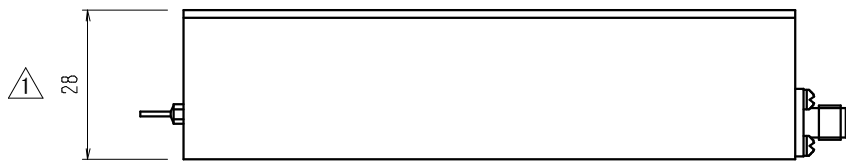
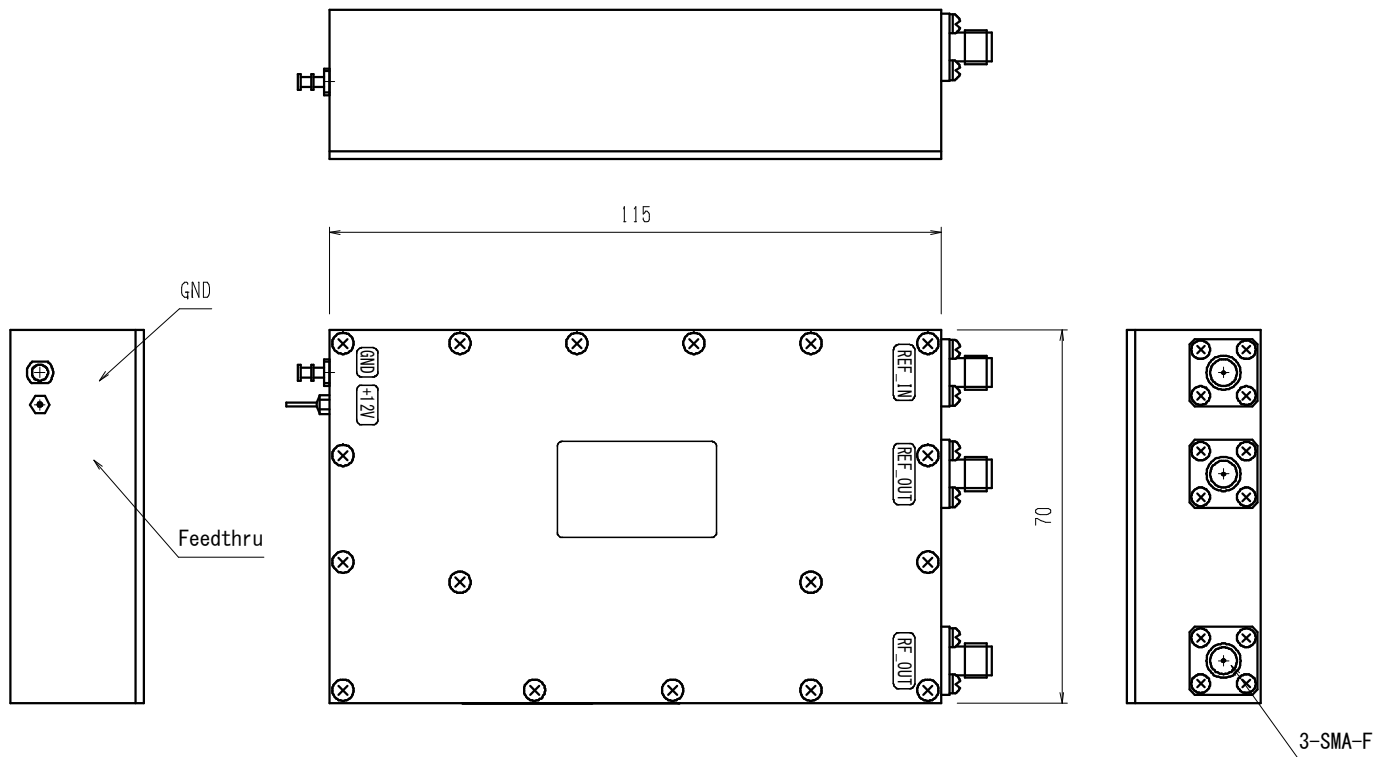
Specification for 16GHz Signal Sources

Model : N-DCN-SS163-0001R

Item	Specification	Note
1.0 Electrical Performance		
1.1 RF Output Signal	16.000GHz	
1) Frequency Range	+16 dBm Min	RL=50ohms
2) RF Output Power		
3) Phase Noise Level		
Offset 100 Hz	≤ -90 dBc/Hz	Offset: 10MHz to 1GHz ≤ -140 dBc/Hz Typical ≤ -135 dBc/Hz Max
1 KHz	≤ -115 dBc/Hz	
*2 10 KHz	≤ -127 dBc/Hz	
*2 100 KHz	≤ -130 dBc/Hz	
*2 1 MHz	≤ -130 dBc/Hz	
4) Spurious		
Non-Harmonics	≤ -65 dBc	
Harmonics	≤ -35 dBc	
1.2 External Reference		
1) Input Frequency	10.000 MHz Sine Wave	Input Impedance=50ohms
2) Input Level	0 dBm Typical	
3) Phase Noise Level	C/N ≤ -150 dBc/Hz @100Hz	
1.3 Reference Output		
1) Output Frequency	10.000MHz Sine Wave	RL=50ohms
2) Output Level	+6dBm \pm 2dB,	
3) Phase Noise Level	C/N ≥ -150 dB/Hz	
*1 4) Frequency Stability	@100Hz Same as Ext. Ref. IN	
1.4 DC Power	+12V \pm 5% 600mA Max	
2.0 Operating Temp. Range	-20 ~ +70 deg. C	
3.0 Package		
3.1 Package Size	*2 115(L) \times 70(W) \times 28(T) mm Tolerance : \pm 0.1mm	See attached
3.2 Connector	RF_OUT : SMA(F) REF_IN, REF_OUT : SMA(F) DC Power : Feedthrough	

*1 Frequency Stability, 1x10-7 will be kept by Internal Reference when No External Reference in.

*2 Modified by Rev.1 Final spec.



UNIT : mm

RoHS

KS3005 Rev -
16GHz Signal Source
N-DCN-SS163-0001R

NEL Frequency Controls Inc