

### Features:

- Hybrid Integrated Circuit
- Surface Mounted Device Type
- Shield Case : Nickel Silver
- 16PIN Type

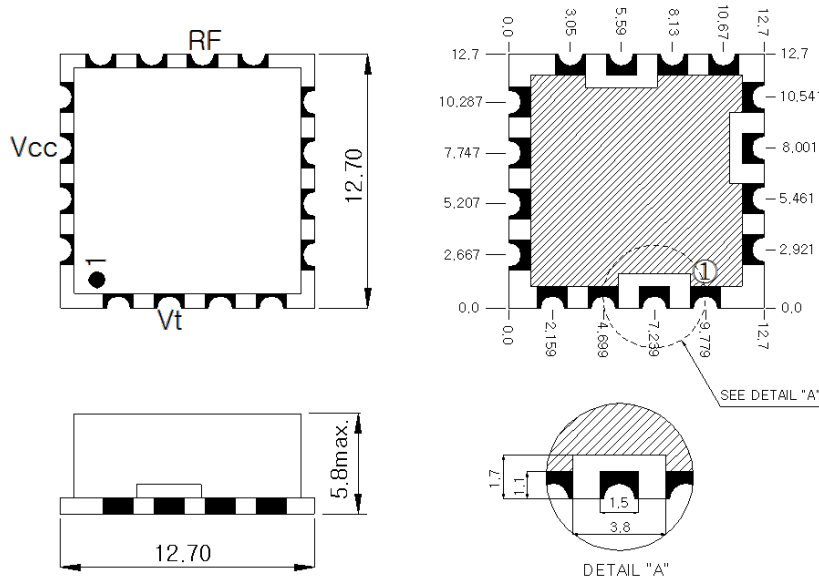


ELECTROSTATIC SENSITIVE DEVICE  
OBSERVE HANDLING PRECAUTIONS

### Electrical Specifications (TA=+25Deg.C, 50Ω system)

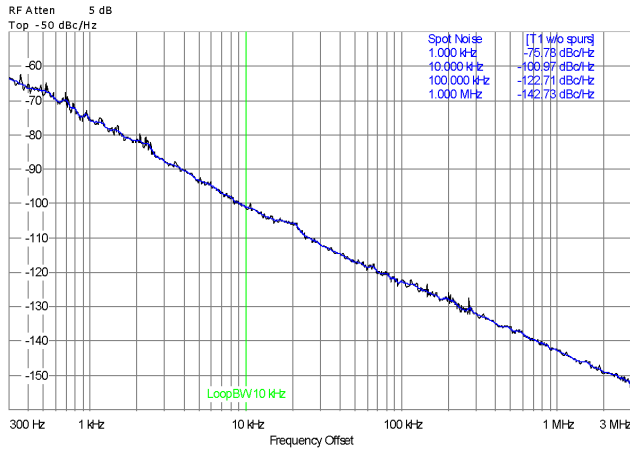
NO	ITEM	UNIT	VALUE
1	Operating Frequency Range	MHz	2748 ~ 2952
2	Output Power Level	dBm	+5 ± 2
3	Harmonics Level (2 <sup>nd</sup> )	dBc	-15
4	Spurious Level	dBc	-85
5	Phase Noise at offset @ 1kHz at offset @ 10kHz at offset @ 100kHz at offset @ 1000kHz	dBc/Hz dBc/Hz dBc/Hz dBc/Hz	-75 -100 -122 -142
6	Load Impedance	Ω	50
7	Input Capacitance	pF	27
8	Tuning Voltage	V	+0.5 ~ +4.5
9	Tuning Sensitivity (Typ.)	MHz/V	80
10	Supply Voltage	Vdc	+5±0.25
11	Current Consumption (Typ.)	mA	35
12	Pushing	MHz/V	< 1.0
13	3dB Modulation Bandwidth.	MHz	40Typ
14	Pulling (VSWR = 1.5 : 1 All phase)	MHz	< 1.5
15	Operating Temp. Range	°C	-40 ~ +85

### Dimensions

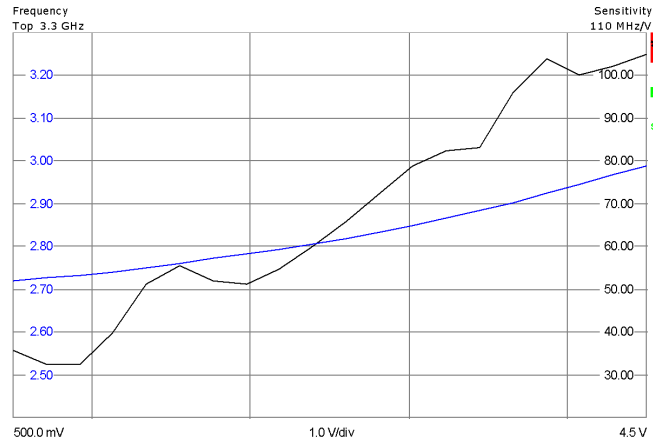


Terminal Connection	
Pin NO	Terminal NAME
2	Control Voltage
10	RF Output
14	Power Supply
All Other Pins are Ground	

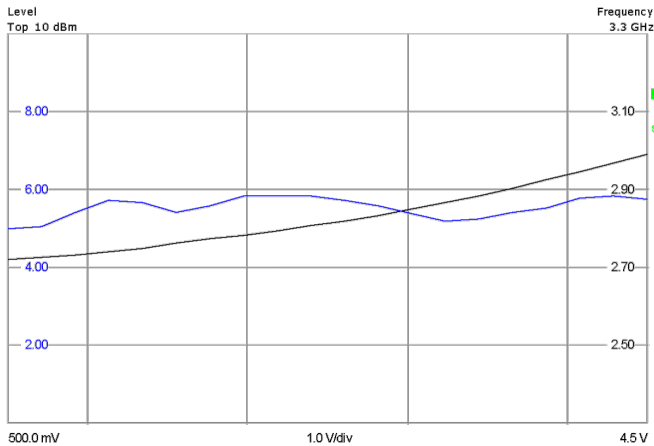
**CHARACTERISTICS**



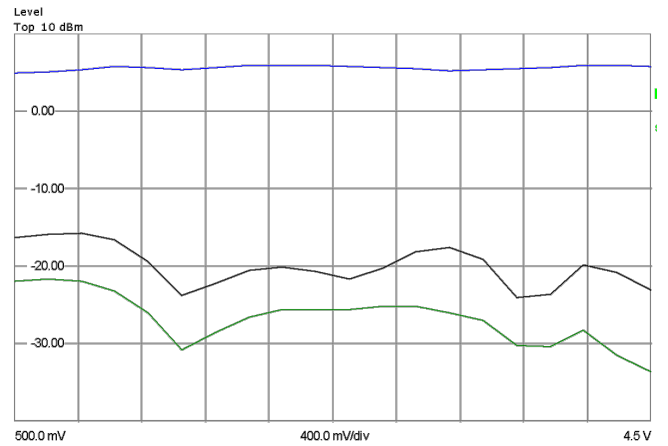
**PHASE NOISE**



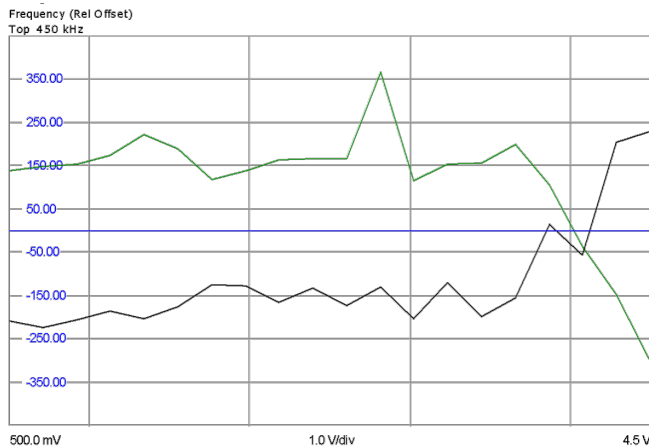
**FREQUENCY & SENSITIVITY**



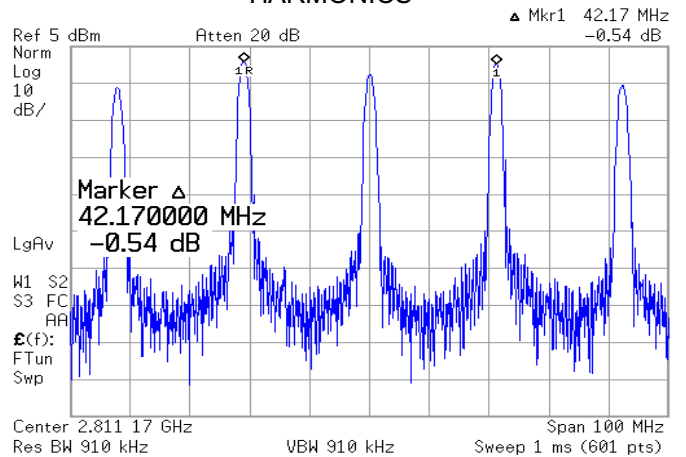
**SENSITIVITY & POWER LEVEL**



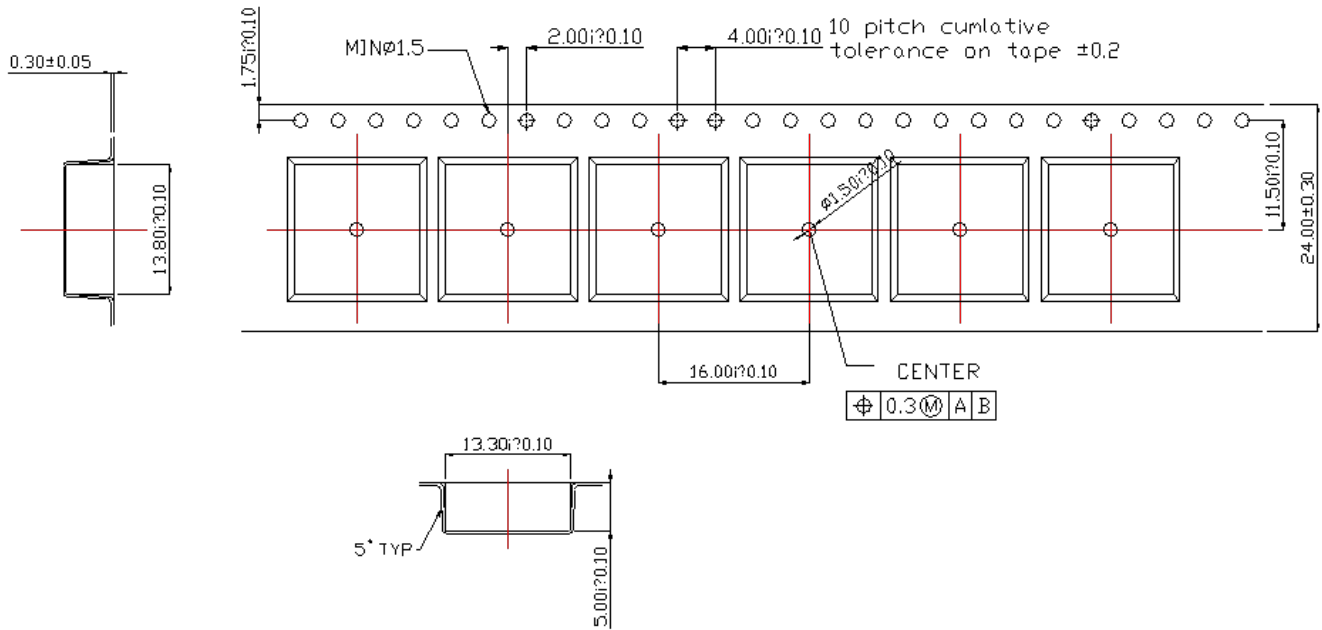
**HARMONICS**



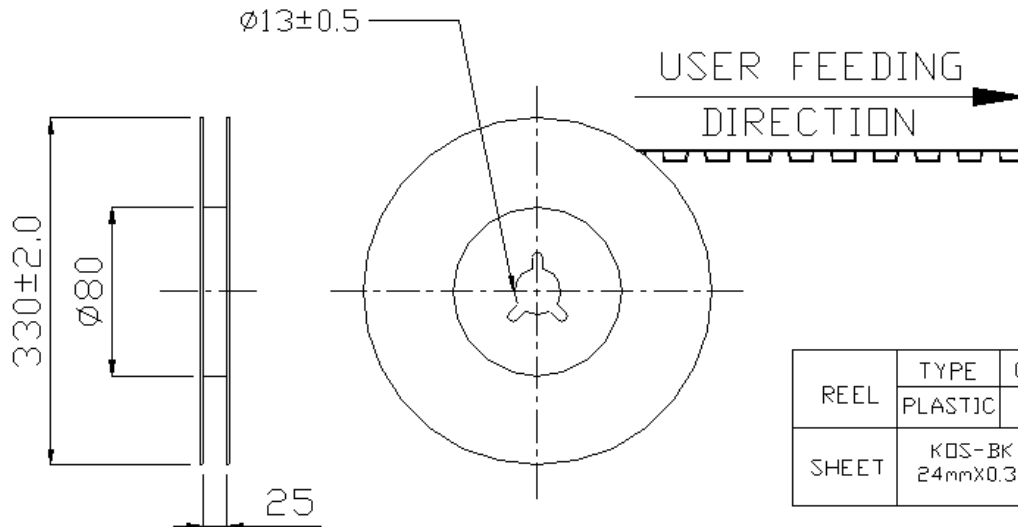
**PUSHING**



**3dB MODULATION BANDWIDTH**



**Packing**



REEL	TYPE	COLOR	HUB	SIZE
	PLASTIC		80	330
SHEET	KOS-BK 24mmx0.3t	POCKET COUNTER	750 POCKET	

**REEL DIMENSION**

**Taping**