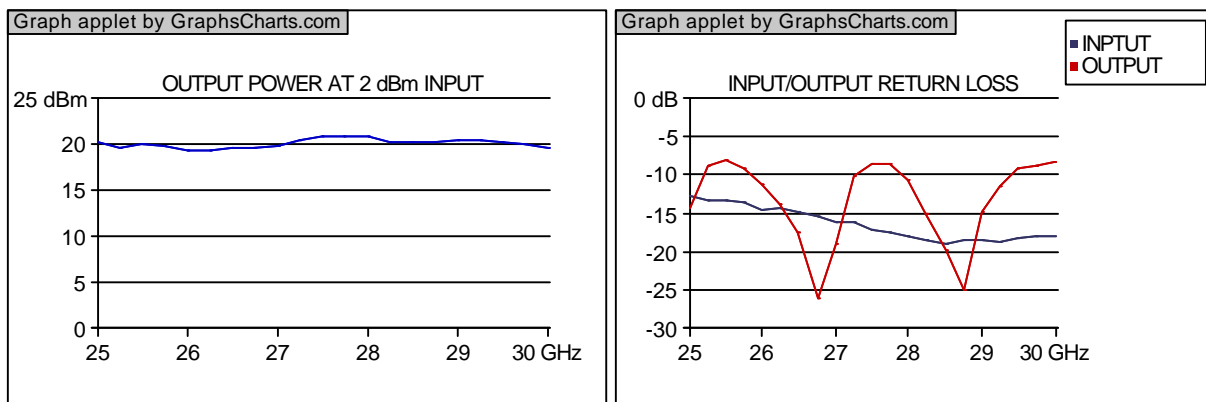


**25.0 - 29.3 GHz Integrated Frequency Doubler****Features:**

- THIN FILM HYBRID MIC PROCESS.
- FIELD REPLACEABLE RF CONNECTORS

**Electrical Performance**

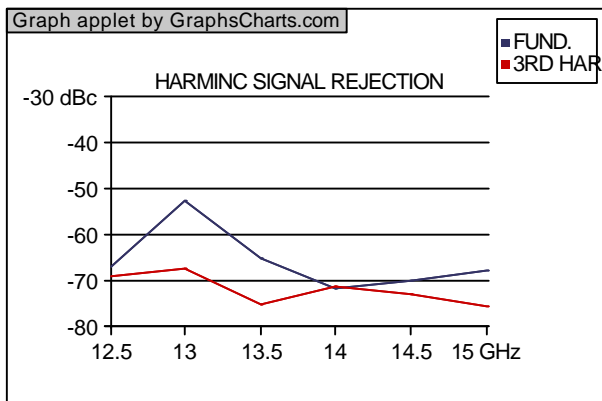
Parameter	Min.	Typ.	Max.	Unit	Note
Frequency	25.0		29.3	GHz	
Input Frequency	12.50		14.65	GHz	
Output Power	18			dBm	AT 2 dBm INPUT
Fundamental Signal Rejection	45			dBc	
3rd Harmonic Rejection	40			dBc	
VSWR Input			2.4		
VSWR Output			2.4		
Supplied Current			500	mA	
Supplied Current for Negative Bias			8	mA	
DC Supply Voltage	11	12	15	V	
DC Negative Supply Voltage	-15	-5	-4	V	
Maximum Input Power Level without Damage			10	dBm	

**Typical Test Data**

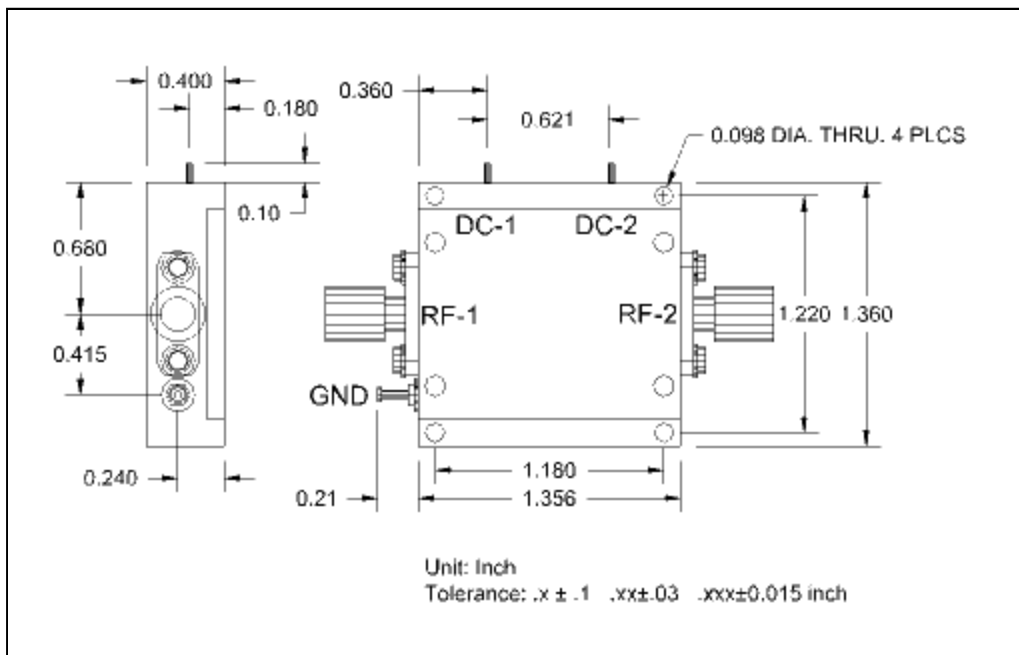
Updated: 3/15/2006

# NX00400-1

## 25.0 - 29.3 GHz Integrated Frequency Doubler



### Outline Drawing



Connector	Type	Pin #	Pin Name	In/Out	Description
RF-1	SMA-F	1	RF-1	I	RF INPUT SIGNAL
RF-2	K-F	1	RF-2	O	RF OUTPUT SIGNAL
DC-1	EMI Filter	1	-5 V	I	NEGATIVE DC SUPPLY (-15 TO -4 V)
DC-2	EMI Filter	1	+12 V	I	POSITIVE DC SUPPLY (+11 TO +15V)

Updated: 3/15/2006

# NX00400-1

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## 25.0 - 29.3 GHz Integrated Frequency Doubler

GND      GROUND LUG      1 GND      0      GROUND

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Updated: 3/15/2006



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