

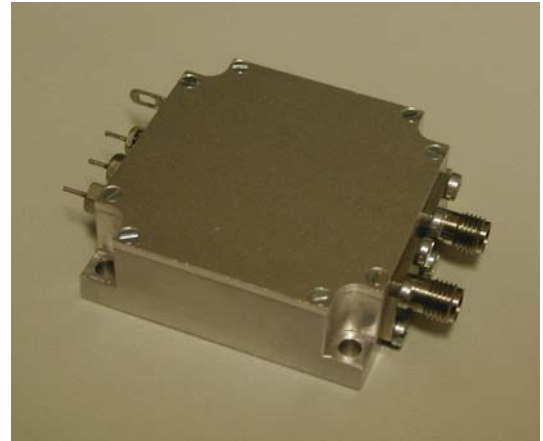
## Phase Locked VCO

### Available 2-20GHz (Fixed frequency's)

#### Example 4.0 GHz

##### *Features*

Low phase noise  
Internal voltage regulation  
Small size  
Custom designs available



##### **TYPICAL PERFORMANCE SPECIFICATIONS**

|                         |   |
|-------------------------|---|
| Output frequency:       | 4.0 GHz                                 |
| Output power:           | +3 to +17 dBm                           |
| Output power variation: | +/- 1.5 dBm                             |
| Typical Phase noise:    | -104 dBc/Hz@10 KHz, -124 dBc/Hz@100 KHz |
| Spurious output:        | < -65 dBc                               |
| Harmonics:              | < -20 dBc                               |
| Reference frequency:    | 5 – 100 MHz                             |
| Frequency accuracy:     | Same as reference                       |
| Frequency control:      | No programming required                 |
| Size:                   | 45 x 45 x 18 mm                         |
| Operating temperature:  | -35°C to +80°C                          |

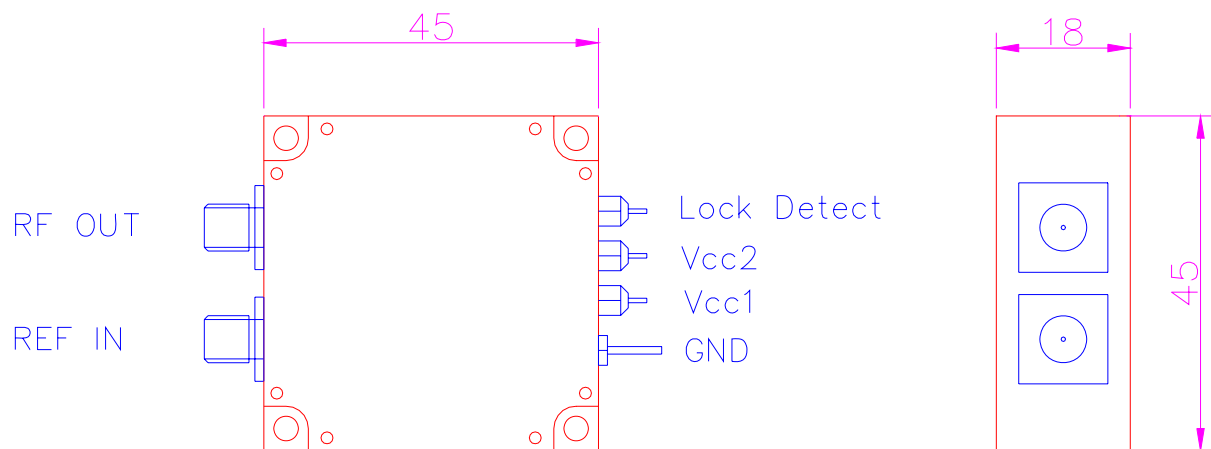
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### Outline drawing:

Dimensions in mm



Date Dec 18, 2006