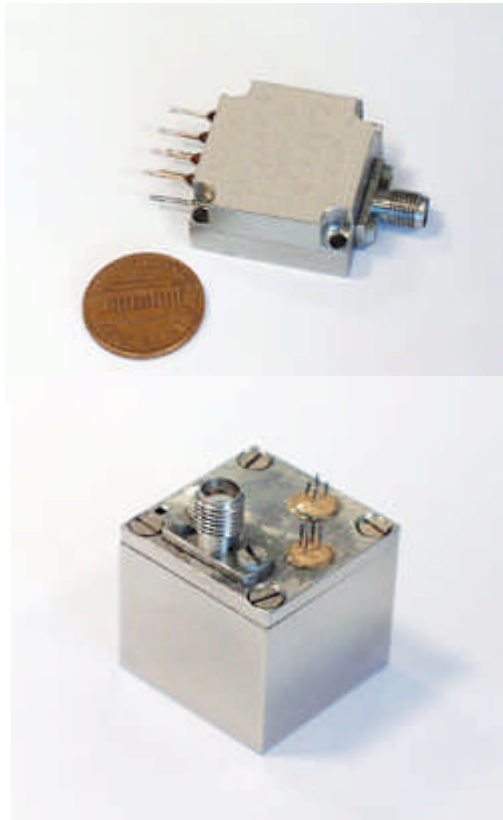


# YIG tuned Transistor Oscillators



- Available frequency range 0,8-18 GHz
- Multi-octave tuning
- Frequency stability
- Excellent tuning linearity
- Low phase noise
- Fast tuning
- N- Outputs

## Applications

- LO for sweeping receivers and spectrum analyzers.
- Signal sources for sweep generators.

## Description

ELVA-1 YIG tuned oscillators offer excellent tuning linearity, good frequency stability, very low phase noise and phase lock / modulation capability. YIG oscillators can tune over operating frequencies of more YTO's can incorporate additional functions such as Filters, Buffer Amplifiers, Isolators and different active elements.

YTO's supply with Analog and Digital drivers.

## YIG-TUNED TRANSISTOR OSCILLATORS (YTO's)

### Specifications

Model	Frequency Range GHz	Output power min dBm	Pow. deviation dB	Sweep nonlinearity MHz	Non harm. spur. dB	Harm. spur. dB	Phase Noise (10kHz off car.) dB/Hz	Op. Temp. °C	Case Dimension *mm
<b>STANDARD 2 OUTPUTS YTO's</b>									
EYO-0.8-3	0.8 - 3.5	13	4.0	5	-15	-15	-95	-40 +55	60dia 32h
EYO-1-4	1.0 - 4.0	13	4.0	5	-15	-15	-95	-40 +55	60dia 32h
EYO-2.2-8	2.2 - 8.0	12	4.5	8	-20	-20	-95	-40 +55	60dia 32h
EYO-10-16	10 - 16	15	4.0	20	-45	-20	-85	-40 +55	60dia 40h
EYO-12-18	12 - 18	10	6.0	30	-50	-20	-85	-40 +55	60dia 40h
<b>MICROSTRIP 2 OUTPUTS YTO's</b>									
EYO-1-4MS	1.0 - 4.0	10	4.0	6	-25	-15	-95	-40 +55	45*45*20
EYO-3-6MS	3.0 - 6.0	12	4.0	6	-25	-15	-95	-40 +55	45*45*20
<b>STANDARD 1 OUTPUT YTO's</b>									
EYO-1-4	1.0 - 4.0	10	4.0	6	-25	-15	-95	-40 +55	25*25*25
EYO-2-8	2.0 - 8.0	10	5.0	6	-25	-15	-95	-40 +55	25*25*25
EYO-8-12	8.0 - 12	10	4.0	8	-25	-15	-85	-40 +55	35*35*35
EYO-12-18	12 - 18	13	6.0	10	-25	-15	-85	-40 +55	35*35*40
<b>MINITURE YTO's WITH PERMANENT BIAS MAGNET</b>									
EYO-8-10M	8 - 10	13	3.0	4	-25	-15	-95	-10 +55	25*25*12.5
EYO-10-12M	10 - 12	13	3.0	4	-25	-15	-95	-10 +55	25*25*12.5
EYO-12-14M	12 - 14	13	3.0	4	-25	-15	-95	-10 +55	25*25*12.5
EYO-14-16M	14 - 16	13	3.0	4	-25	-15	-95	-10 +55	25*25*12.5