



DIELECTRIC RESONATOR 1 TO 18 GHz

DRO

FEATURES

- **LOW PHASE NOISE**
-110dBc/Hz @ 10KHz
- **HIGH STABILITY**
2-5 ppm/C
- **SMALL SIZE**

DESCRIPTION

The DRO series of Dielectric Resonator Oscillator offer excellent long and short term stability over a wide temperature range. Each unit incorporates internal voltage regulator and filtering, ensuring immunity from transient, leakage and reverse polarity protection.



ELECTRICAL SPECIFICATIONS

Frequency Range (GHz)	(1) Output Power (dBm)	(2) Mechanical Tuning (\pm MHz Min.)	Power Stability (db) Max.	Frequency Stability Max.	Spurious (db)Max.	Load VSWR Max.	Pulling Figure (VSWR) 1.5:1	Pushing Figure	Phase Noise @ 10KHz Max.	Temp. Range Operating	Size
0.90-1.5	+15.00	50	± 1	± 5 ppm/c	-90	2:1	± 100 KHz	5ppm/V	-120 dBc/Hz	-55 to+85°C	1
1.5-2	+15.00	50	± 1	± 5 ppm/c	-90	2:1	± 100 KHz	5ppm/V	-110 dBc/Hz	-55 to+85°C	2
2-4	+15.00	50	± 1	± 5 ppm/c	-90	2:1	± 100 KHz	5ppm/V	-110 dBc/Hz	-55 to+85°C	2
4-8	+15.00	50	± 1	± 5 ppm/c	-90	2:1	± 100 KHz	5ppm/V	-75 dBc/Hz	-55 to+85°C	3
8-18	+15.00	50	± 1	± 5 ppm/c	-90	2:1	± 100 KHz	5ppm/V	-75 dBc/Hz	-55 to+85°C	4

To Order

DRO-A-10000-B-A

1 2 3 4 5

1. Model
2. Tuning: A-Fixed B-Mechanical C- Electronically
3. Frequency(MHz)
4. Output Power: A-10mw B-50mw C-100mw D-Custom
5. Power Supply: A: +15VDC B: Specify When Ordering

OUTLINE DIMENSIONS(Units in inches)

OUTLINE	A	B	C	D	E
1	2.75	2.50	2.75	2.50	1.75
2	2.00	1.75	2.00	1.75	1.25
3	2.00	1.75	1.50	1.25	1.00
4	1.50	1.25	1.00	0.75	1.00

