

Applications:

- Microwave and Millimeter Local Oscillators
- Transmitter Sources
- Instrumentations

Features:

- State-of-the-art Solid State Packaging Technologies
- Various Bandwidth Coverage
- Low Level Harmonics and spurious
- Low Phase Noise
- Coax or Waveguide RF connectors



Descriptions:

3J Microwave, Inc. offers a complete line of dielectric resonant oscillators in frequency range of 18 to 110 GHz. The available state-of-the-art solid-state technologies, devices, harmonics filtering, packaging & frequency multiplication techniques are utilized in the dielectric oscillators to meet various requirements. Coax RF connectors are available in the frequency range below 67 GHz. Waveguide connectors are also

designed to cover eight waveguide bands from K to W-Band in the frequency range of 18 to 110 GHz. The series dielectric resonant oscillators are designed for the various applications such as local oscillators for Receivers, Transmitters and transceivers, instrumentations and transmitter sources etc. The series dielectric resonant oscillators are sorted in category of **DRO** series dielectric resonant oscillators.

DRO Series Dielectric Resonant Oscillator Specifications:

Model Number*	Freq (GHz)	Mech Tuning (%)	Pout (dBm)	Phase Noise (dBc)		Spurious/Harmonics (dBc)	Freq Stability (PPM)**	DC Bias (V/mA)	RF Output Connector	Outline
				@10KHz	@100KHz					
DRO-xxxxx-00	18-27	0.08	10-30	76	96	Spurious: -70 Harmonics: -25	± 1	Voltage: +8V, or +12V or +15V Current: 300-1500mA	UG595-U	J01, J02 J03, J04
	22-33			75	95				UG595-UM	
	26-40			72	92				UG599-U	
	33-50			72	92				UG383-U	
	40-60		10-23	72	92				UG383-UM	J01, J02 J04
	50-75			70	90				UG385-U	
	60-90			67	87				UG387-U	
	75-110			67	87				UG387-UM	

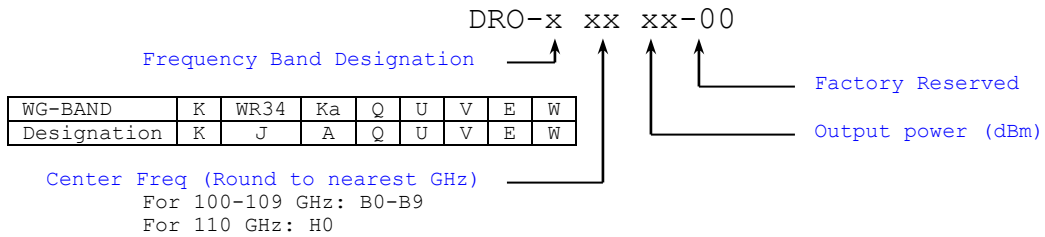
* Please see "how to order" for the model number details

** Operating Temperature: -40 to +70°C



Section 3-1: Dielectric Resonant Oscillator Series
www.3jmicrowave.com Frequency Coverage: 18 to 110 GHz

How to Order:



DRO Model Number Example:

Model Number of a W-Band Dielectric Resonant Oscillator:

Specifications	Model number
RF Frequency: 94 GHz Output Power: 18 dBm	DRO-W9418-00

Outline: J01, J02 and J03