

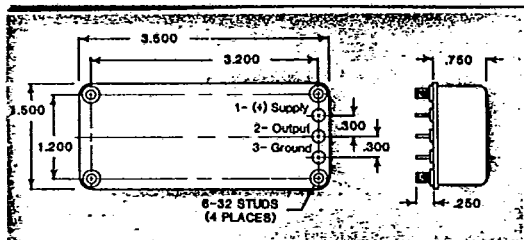


2343431 CONNOR-WINFIELD CORP

96D 00293 D 7-50-23

DCXO Series

High Stability, Crystal Controlled

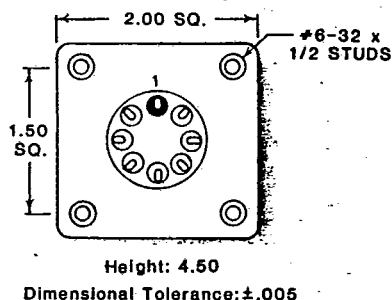
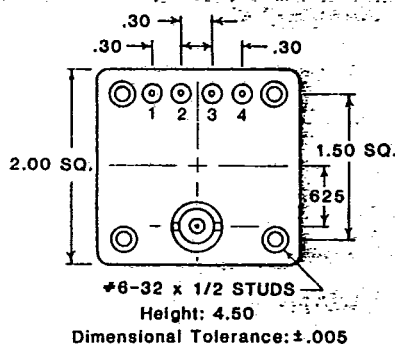


SPECIFICATIONS	DTM2	DTC1	DCM2	DCC1
Frequency range	15KHz to 25 MHz		250 Hz to 6 MHz	
Temperature range	-40°C to +85°C	0°C to +70°C	-40°C to +85°C	0°C to +70°C
Stability	±.0001%	±.00002%	±.0001%	±.00002%
Output	TTL		CMOS	
Supply voltage	+7 to +15 Vdc			
Supply current	100 mA Max.		50 mA Max.	
Pin connections	*1—(+) Supply, 2—Output, 3—Ground			

*CAUTION: Even a momentary short between 1 & 2 may cause the output to fail

Precision Series

High Stability, Sinewave
& TTL Compatible
Ovenized Oscillators



FREQUENCY STABILITY

TABLE 1

Parameter	First Suffix Letter		
	A	B	C
Frequency range	1 - 20 Mhz	20 - 60 MHz	60 - 150 MHz
Temperature range	0° C to +60° C	0° C to +60° C	0° C to +60° C
Frequency stability	±5 x 10-8	±1 x 10-7	±5 x 10-7
Short term	<5 x 10-10/sec.	<1 x 10-9/sec.	<1 x 10-9sec.

OUTPUT SPECIFICATIONS

TABLE 2

Parameter	Second Suffix Letter					
	S	T	V	W	X	Y
Frequency Range	1MHz to 20 MHz	20MHz to 60MHz	60MHz to 100MHz	100MHz to 150MHz	1MHz to 20MHz	20MHz to 60MHz
Osc Supply	+12 Vdc, 35mA	+12 Vdc, 50mA	+12 Vdc, 50mA	+12 Vdc, 50mA	+12 Vdc, 30mA	+12 Vdc, 50mA
Oven Supply	+28 Vdc, 6W Avg.	+28 Vdc, 6W Avg.	+28 Vdc, 6W Avg.	+28 Vdc, 6W Avg.	+28 Vdc, 6W Avg.	+28 Vdc, 6W Avg.
Output, Load	Sine, 50 Ω	Sine, 50 Ω	Sine, 50 Ω	Sine, 50 Ω	TTL, 1-10TTL	TTL, 1-10TTL
Output Voltage	0dBm ± 1.5dBm	0dBm ± 1.5 dBm	0dBm ± 1.5 dBm	0dBm ± 1.5 dBm	TTL	TTL
Harmonic Content	-30dBm	-30dBm	-30dBm	-30dBm		

TERMINATION ALTERNATIVES

TABLE 3

	Third Suffix (Number)	
	1	2
Type	BNC connector	Solder terminals
Pin Connections	1 = OSC Vdc 2 = OSC Ground 3 = OVN Ground 4 = OVN Vdc BNC = Output	1 = OSC Ground 2 = OSC Vdc 5 = OVN Vdc 6 = OVN Ground 8 = Output

NOTE: Oven units also available with octal header (-3).