

EQLXO-2000 SERIES**MIL-0-55310 TEST SCHEDULE****DESCRIPTION**

Euroquartz EQLXO-2000 series oscillators can be tested to MIL-0-55310 specification in accordance with the schedule outlined below. Please note that testing EQLXO-2000 oscillators to this MIL-0-55310 schedule will only be carried out when requested by and the charges agreed with customers.

SCREENING

Item	Description	Method Employed
1.	Precap Visual	MIL-STD-883, Method 2017 and 3023
2.	Stabilization Bake	MIL-STD-883, Method 1008, Condition C
3.	Temperature Cycling	MIL-STD-883, Method 1010, Condition B
4.	Constant Acceleration	MIL-STD-883, Method 2001, Condition A, Y1 only
5.	Seal	MIL-STD-883, Method 1014, Conditions B&C
6.	Electrical	Frequency and Current
7.	Burn-in	Nominal Voltage for 160 hours @ +125°C
8.	Electrical	Frequency and Current
9.	Temperature Test	Frequency and Current @25°C and each extreme

GROUP A

Item	Description	Method Employed
1.	Electrical	Frequency, current, supply voltage, over-voltage, input current, output logic voltage levels, Tr/Tf, duty Cycle
2.	Visual and Mechanical	
3.	Solderability	MIL-STD-202, Method 208

GROUP B

Item	Description	Method Employed
1.	30 day ageing	70°C, frequency and current measured every 72 hours

GROUP C

Item	Description	Method Employed
1.	Vibration	MIL-STD-202, Method 204, Condition D
2.	Shock	MIL-STD-202, Method 213, Condition I
3.	Thermal Shock	MIL-STD-202, Method 107, Condition B
4.	Ambient Pressure	50,000 feet for 12 hours @ -60±2°C
5.	Storage Temperature	24 hours at each temperature extreme
6.	Resistance to Solder Heat	MIL-STD-202, Method 210, Condition E
7.	Moisture Resistance	MIL-STD-202, Method 106
8.	Salt Atmosphere	MIL-STD-202, Method 1009, Condition B
9.	Resistance to Solvents	MIL-STD-202, Method 215