

Crystal Oscillators

QPL

Oscillatek is an approved source of MIL-O-55310 hybrid oscillators. Oscillatek is currently qualified to the following "slash" numbers:

Type	Output	Package	Outline Drawing
M55310/09	TTL	TO-5	Page 31 H0
M55310/14	TTL	14 pin DIP	Page 30 B0
M55310/16	TTL	14 pin DIP	Page 30 B0
M55310/17	TTL	14 pin DIP	Page 30 B0

QPL Part Numbering

M55310/ -B A - Frequency

A=-55°C to +125°C
Freq. Tolerance
 (±50 or ±100 PPM)
B= Class "B" screening
Type

Type	Frequency Range	Freq. Tolerance ppm		Pinouts			
		±50	±100	+5V	Gnd	Out	Gate
09	400 KHz - 9 MHz	01	05	8	4	5	na
09	9 MHz - 25 MHz	11	15	8	4	5	na
09	25 MHz - 30 MHz	21	25	8	4	5	na
14	0.1 Hz - 1 KHz	01	na	4	7	5	na
14	1 KHz - 150 KHz	02	na	4	7	5	na
14	150 KHz - 300 KHz	03	na	4	7	5	na
14	300 KHz - 600 KHz	04	na	4	7	5	na
14	600 KHz - 2.5 MHz	05	na	4	7	5	na
14	2.5 MHz - 5.0 MHz	06	na	4	7	5	na
14	5.0 MHz - 10 MHz	07	na	4	7	5	na
14	10 MHz - 15 MHz	08	na	4	7	5	na
14	15 MHz - 25 MHz	09	na	4	7	5	na
16	0.1 Hz - 250 Hz	01	04	14	7	8	na
16	250 Hz - 150 KHz	11	14	14	7	8	na
16	159 KHz - 5.0 MHz	21	24	14	7	8	na
16	4.0 MHz - 20 MHz	31	34	14	7	8	na
16	20 MHz - 60 MHz	41	44	14	7	8	na
17	250 KHz - 5 MHz	01	04	14	7	8	pin 9
17	4.0 MHz - 20 MHz	11	14	14	7	8	pin 9
17	20 MHz - 50 MHz	21	24	14	7	8	pin 9

Oscillatek provides QPL parts with 100% Class "B" screening:

- 1 Internal Visual
- 2 Stabilization Bake
- 3 Temperature Cycling
- 4 Constant Acceleration
- 5 Seal Test
- 6 Electrical Test at +23°C
- 7 168 Hour Burn-in load
- 8 Electrical Test vs Temperature

Consult factory for test details and current DESC specifications

The current issue of the appropriate military slash sheet should be consulted for further information on QPL products. Data on the current issue of the slash sheet may supercede data on this page.

The above table is a summary of the -55° to +125°C options offered by Oscillatek. Other temperature ranges and stabilities may be available. Stability tolerance is based on the +23°C calibration tolerance of ±15 PPM for ± 50 PPM vs Temperature