

J. E. Carlstrom Co
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Oscillator: H298
Bias: 10.0 volts

Frequency (GHz)	Tuning Mic (mils)	Backshort (mils)	Output Power (mW)	Bias tuning dV/(100MHz)
142.0	18.0	41.0	23	0.20
143.0	16.9	30.0	14	0.20
144.0	15.7	33.0	20	0.15
145.0	14.7	22.0	21	0.20
146.0	13.8	28.5	20	0.15
147.0	12.8	28.5	21	0.15
148.0	11.9	26.5	21	0.15
149.0	10.9	23.5	17	0.20
150.0	10.0	24.5	20	0.15
151.0	9.1	21.5	18	0.15
152.0	8.3	21.5	16	0.15
153.0	7.6	18.5	15	0.20
154.0	6.9	16.5	11	0.20

Bias = 10.0 Volts; ~230 mA; **Do not operate above 10.5 Volts.**

INTERNAL PROTECTIVE CIRCUITRY - Internal protection is provided against overvoltage and reverse bias. Bias greater than 10.8 Volts will trip crowbar circuit. Turn oscillator off to reset.

Do not remove micrometer knobs or disassemble oscillators.

For best power output use a tunable waveguide phaseshifter for impedance matching.

Optimum backshort position will depend on output match.

Listed output powers are fairly uncertain.