



Address:
Woodward, Inc.
3800 Wilson Ave
Loveland, CO 80538

Subject
Customer's requested MTBF for
505D & 505XT.

505D & 505XT:

8200-1300,8200-1301,8200-1302,8200-1304,8200-1310,8200-1311,8200-1312,8200-1314,8200-1330,8200-1331.

MTBF = 3,184,739 Hrs.

B10 = 335,544 Hrs.

Methods and Assumptions:

The MTBF point estimate and B (10) Life are based on shipment and returns data for a selected time period. Hours are accumulated based on ship date and an assumed shelf time. The MTBF and the "B (10)" life point estimate calculations assume that field failure rates are constant, i.e., the time to failure distribution is exponential. Biases built in due to customer or distributor shipment and return practices are not accounted for. Shelf time and duty cycle are estimates based on general product application knowledge, not recorded data, and apply equally to all records used in the analysis.

The lower confidence limit calculation assumes that the distribution of sample means follows a Chi Square distribution.