

Phillip Technologies Quartz Crystal Troubleshooting Data

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Customer Name:

Date Submitted:

Philliptech Part Number:

Lot Number:

Date Purchased:

Monitoring System Information

Monitor make?

Sensor head make?

Process Information

Coating Method (Ebeam, Thermal, etc)

Coating Rate (A/s)

Coating Thickness (KA)

Coating Composition (MgF₂, etc)

Process Temperature (C)

Substrate heating? Method?

Plasma Used? (RF, DC, IB)

Background gases used? (Ex.: O₂)

Crystal Issue Observed

Rate noise (give magnitude, A/S)

Crystal Failure (what % life)

Frequency jumping (% Life jumping)

Negative rates (give magnitude, A/s)

Crystal surface chips or marks?

Crystal not working when new

Crystal has high resistance when new

Crystal surface discoloration

Other:

Additional Information or Comments: