



## CERTIFICATE OF ANALYSIS

**Part Description:** Stress Relieving Alloy Coated 5 MHz Quartz Monitor Crystals.  
**Vendor Part No.** QB104A

**Remarks:** Balzers Pattern 5MHz Quartz Crystals for use in Balzers type crystal sensor heads.  
Frequency range: 4.959-4.976 MHz

It is hereby certified that all articles in the quantities as indicated above are in compliance with the following specifications.

<b>Frequency:</b>	4.959-4.976 MHz
<b>Activity:</b>	Less than 15 Ohms measured at resonance
<b>Contact Resistance:</b>	Less than 15 Ohms center to edge
<b>Diameter:</b>	0.550+.000,-.002"
<b>Angle of Cut:</b>	35 degrees 15+/-3 minutes
<b>Contour:</b>	Plano-Convex, 3 +/-0.5 diopter curvature
<b>Surface Roughness:</b>	Better than 10 microns rms
<b>Contact Composition:</b>	Silver Aluminum Alloy/Chromium
<b>Packaging:</b>	100% Virgin PETG, Pharmaceutical Grade, recyclable plastic.

Signature: \_\_\_\_\_

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