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1.64 Cathode Face to Phosphor Screen Face

Center of Coil Aligned with Center of AK Gap

Port for Pumping During Bake and Test

Test Cathode/Dielectric Assembly

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Notes:
1. All parts must be clean for UHV use prior to assembly per MP-264.
2. Assembly must be handled with good clean room practice per MP-220.
3. After assembly is complete, storage should be per MP-274.
4. The assembly must be leak tight to 1 x 10^-9 cc/sec Helium.
5. Care must be taken not to tilt the assembly. The axis must be kept vertical with the cathode face pointing upward. If tilted the BN inserts in the cathode face will fall out of their counterbores and the set up must be taken apart to reposition the inserts.
6. The Phosphor screen has a working diameter of Ø1.75. Care must be taken not to bump or vibrate the assembly as this will cause the Phosphor to dislodge and fall from the glass surface.