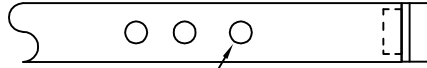


THERE ARE TWO GENERALLY ACCEPTABLE METHODS FOR MOUNTING AN AXIAL CRYOGENIC HALL SENSOR.

1. TUBE MOUNT

THE AXIAL HALL SENSOR PACKAGE IS DESIGNED FOR MOUNTING TO THE END OF A 0.25" DIAMETER TUBE. SEE THE SKETCH BELOW.

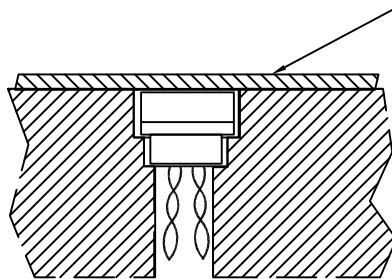


IT IS ADVISABLE TO DRILL HOLES IN TUBE TO PREVENT PRESSURE DIFFERENTIAL ACROSS THE SENSOR.

BOND SHOULDER OF DEVICE TO TUBE WITH ADHESIVE COMPATIBLE WITH CRYOGENIC TEMPERATURES.

2. CAVITY MOUNT

IT IS SUGGESTED THAT, WHEN POSSIBLE, THE SENSOR PACKAGE BE ALLOWED TO "FLOAT" RATHER THAN BE RIGIDLY BONDED. A CAVITY MUST BE PREPARED IN THE MOUNTING SURFACE.




HALL SENSOR "FLOATS" (IS NOT BONDED TO CAVITY)

COVER TOP OF HOLE WITH KAPTON TAPE OR CLOSURE PLATE.

CAVITY MUST BE CLOSE TOLERANCE, BUT EXPANSION MUST BE CONSIDERED.

SOME PRACTICES TO AVOID:

- DO NOT COMPLETELY POT THE SENSOR WITH EPOXY OR OTHER POTTING COMPOUNDS..
- DO NOT MOUNT THE FRONT OF THE SENSOR TO A SURFACE WITH ADHESIVE.
- DO NOT APPLY FORCE TO THE LEADS. THEY CAN BREAK QUITE EASILY.

UNLESS OTHERWISE SPECIFIED: -DIMENSIONS ARE IN INCHES -DO NOT SCALE DRAWING	 LakeShore CRYOTRONICS, INC.	
	DWG. NAME: MOUNTING AN AXIAL CRYOGENIC HALL SENSOR	
FILE NAME: CRYOMTGAX	DRAWN BY: J.D. DATE: 10 JUN 03	DWG. #:
LAST UPDATE:	CHECKED: DATE:	LSCI PART #:
	APPROVED: DATE:	SCALE: NONE PAGE 1 OF