



REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

NOTATION	DESCRIPTION	DIMENSION (mm)
A	Bottom of housing lid to top of vacuum window holder	3.81
B	Bottom of housing lid to top of vacuum window (0.5 mm vac. widow)	4.31
C	Bottom of radiation lid to bottom of brass washer*	8.436
D	Bottom of radiation lid to top of radiation window* (0.2 mm rad. window)	9.016 -0.2**
E	Bottom of radiation lid to bottom of housing lid*	5.591 -0.5**
F	Top of vacuum window to bottom of radiation window*	1.2112 -0.7**
G	Diameter of brass washer opening	6.00
H	Diameter of brass washer	30.00
I	Thickness of brass washer	.380
J	Clear Aperture of vacuum window	11.684
K	Diameter of recessed flat	38.00
L	Inner diameter of adapter ring	28.98

\*HEIGHT ASSUMED TO HAVE THREADING SET WITH SHOULDER OF WINDOW RING FLUSH WITH TOP OF RADIATION LID.  
\*\*VARIATION DUE TO THERMAL CONTRACTION AND O-RING COMPRESSION AS A RESULT OF COOL-DOWN.

APPROVALS		DATE	LOW WORKING DISTANCE DIMENSIONS			
DRAWN	CALEB S.	5/8/2012				
CHKD			FILENAME: DOC-134			
ENGR			MONTANA INSTRUMENTS CORPORATION BOZEMAN, MT			
REL						
			SIZE	CAGE	DRAWING NO.	
			B		DOC-134	
			SCALE	REV	REA NO.	SHEET
			1:2	A3		1 OF 1
DO NOT SCALE DRAWING		NEXT ASSY	USED ON			