

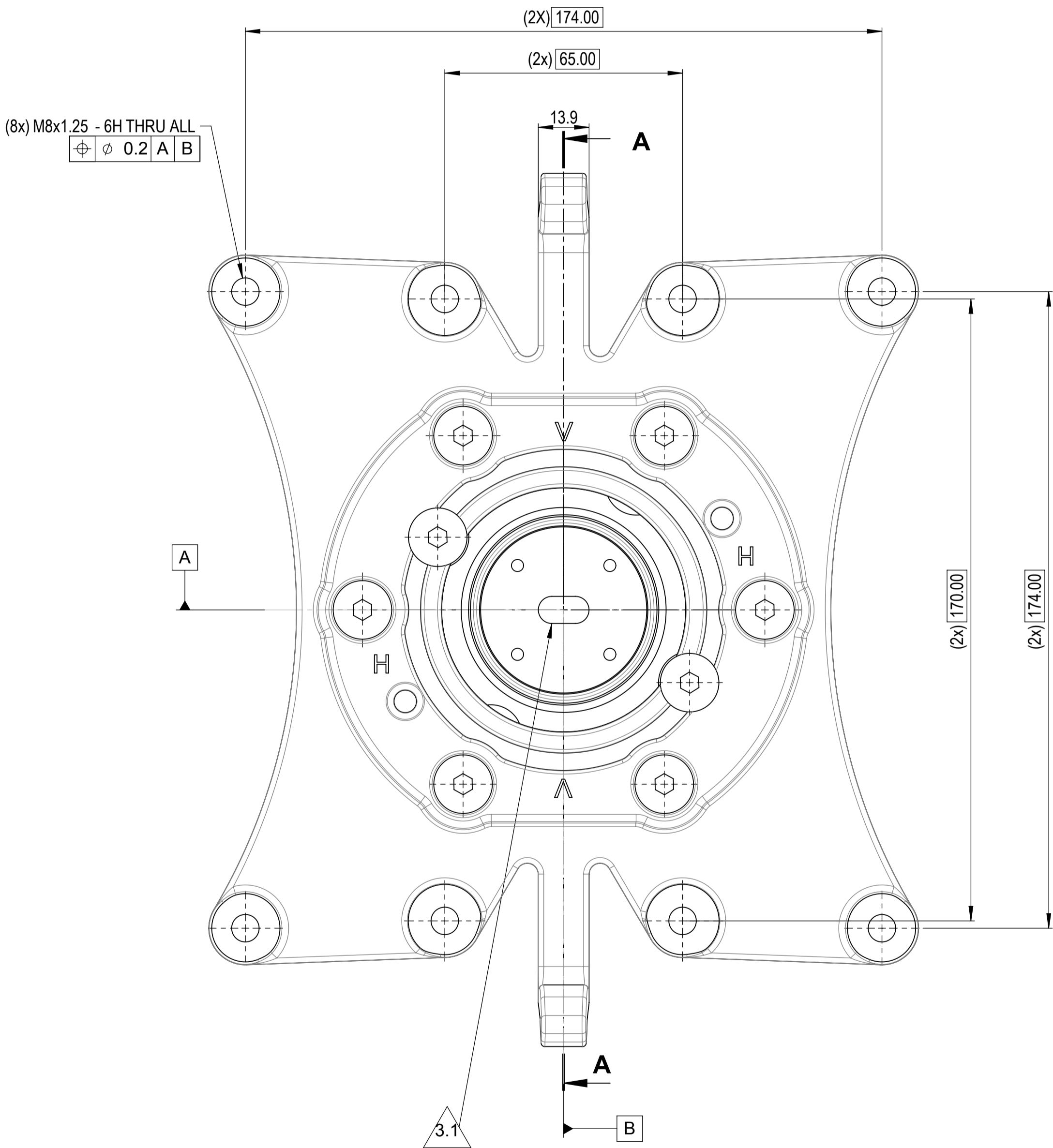
NOTES:

- 1.0 General Notes
- 2.0 Design Notes
- 3.0 Manufacturing/Special requirements
- 4.0 Test
- 5.0 Packaging

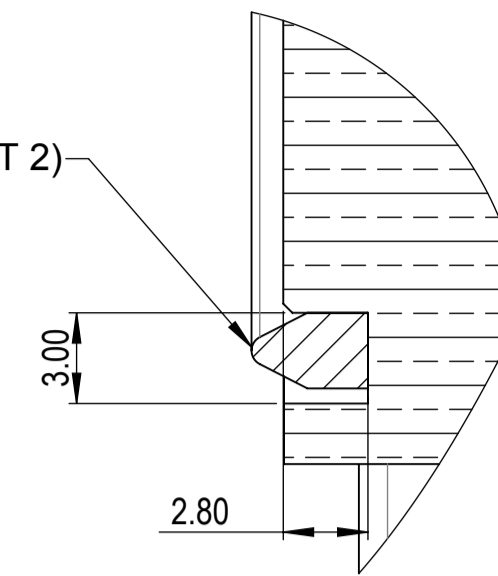
(UNLESS OTHERWISE SPECIFIED)
 1.1 REMOVE BURRS AND SHARP EDGES
 1.2 DIMENSIONS APPLY BEFORE PLATING
 1.3 REFER TO BORDER INFO BOX FOR DRAWING STANDARD.

3.1 SHOWN WAVEGUIDE SIZE IS NOT STANDARD.
 BUT WAVEGUIDE FEATURES RETURN LOSS MATCHED TO
 STANDARD WAVEGUIDE PER IEC153.

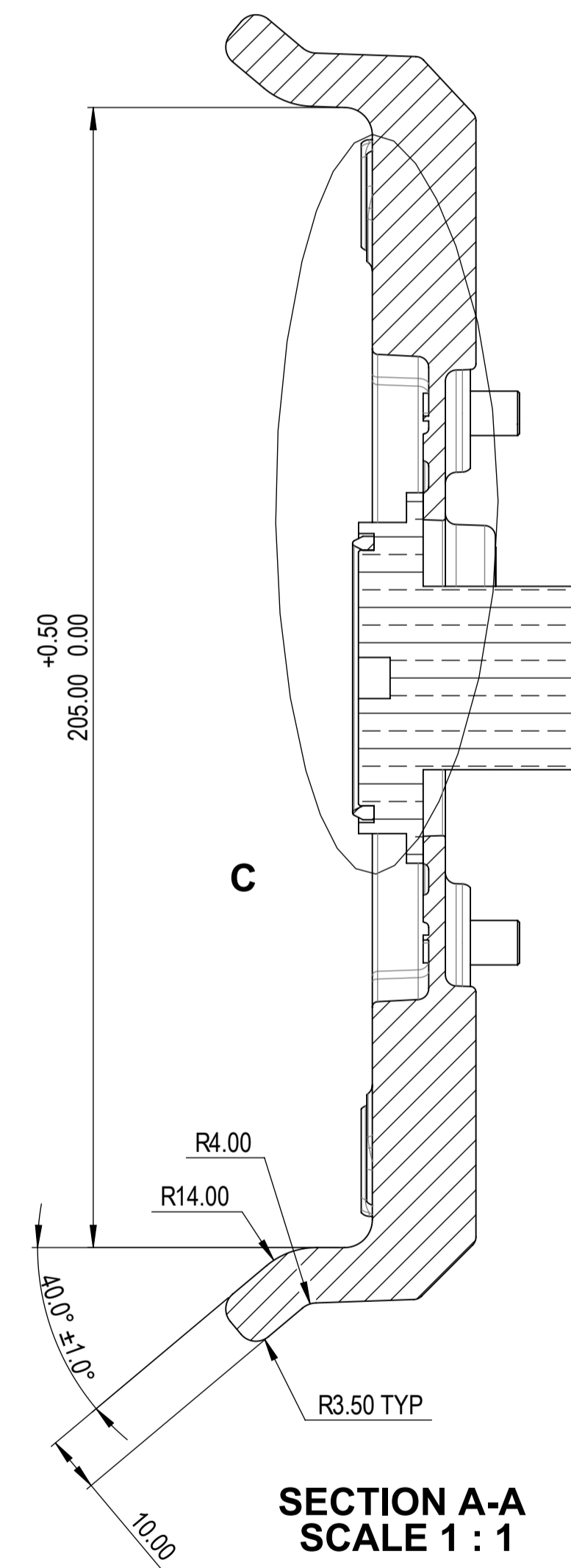
3.2 O RING MATERIAL: SILICONE
 COLOR: BLACK
 HARDNESS SHORE: A-50 ± 10
 TENSILE STRENGTH: 5MPa Min
 CONTINUOUS USE TEMP: -40 TO 120°C @95% RH
 COMPRESSION SET :30% Max (22HRS @175°C)
 FLAMMABILITY: UL94 V0 OR V1.



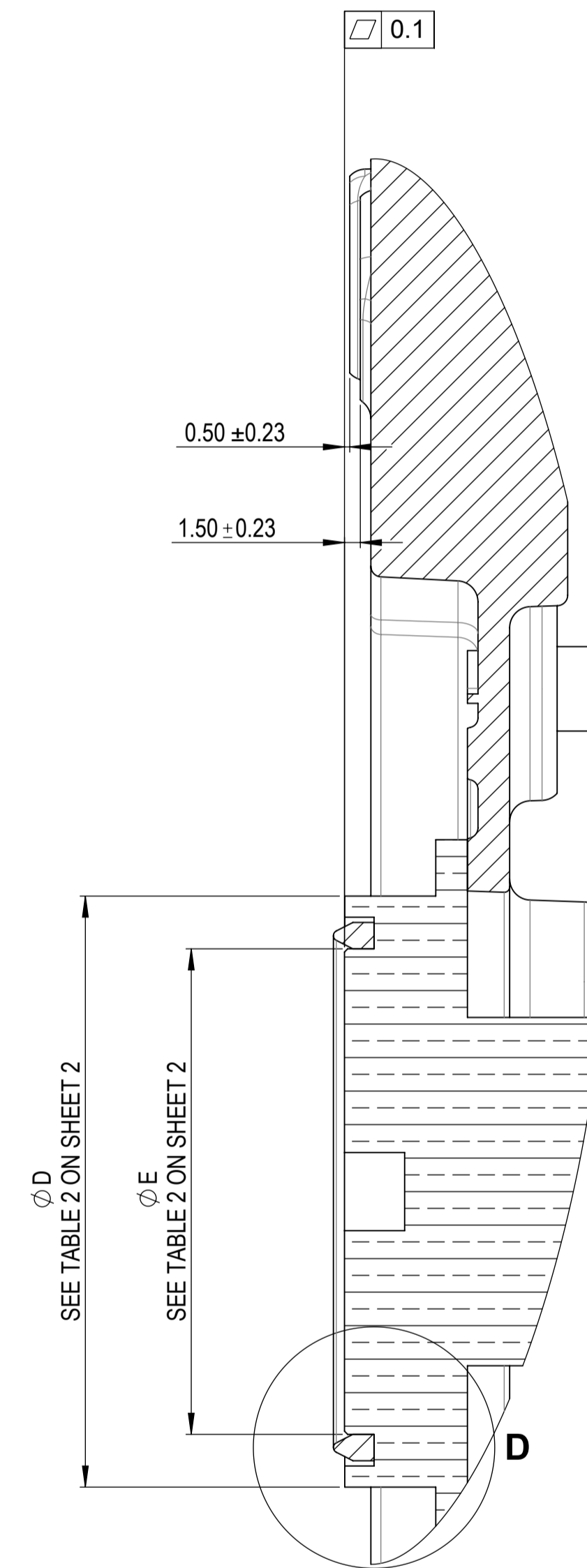
ORING
 (REFER TO SHEET 2)



DETAIL D
 SCALE 4 : 1



SECTION A-A
 SCALE 1 : 1



DETAIL C
 SCALE 2 : 1

COMMSCOPE, INC. OF NORTH CAROLINA

TOLERANCES		SAP MATERIAL MASTER	
0 PLACE	X ± 3	2 PLACE	XX ± 0.10
1 PLACE	X ± 1.0	ANGLES	± 0.5°

FINISH	MATERIAL
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ALL SURFACES √ 1.6	NAME	DATE	TITLE	
DENSITY g/mm³	CE DJW	12/11/12	ANTENNA INTERFACE SPEC CERAGON IPPON	
MASS 699.89 grams	RW HDAI	11/22/2017		
VOLUME mm³	RV			
SURFACE AREA mm²	AD SNICOLL	11/22/2017		
HEIGHT cm	RE SNICOLL	11/22/2017		
LENGTH cm	ECN CAD7029658		SCALE 1:2	DOCUMENT NO. CR3676
WIDTH cm	SIZE WORK AREA 22	MODEL	DRAWING	
	A1	VERSION 02	STATUS RE	REVISION C
		VERSION 02	STATUS RE	REVISION C

NOTES:

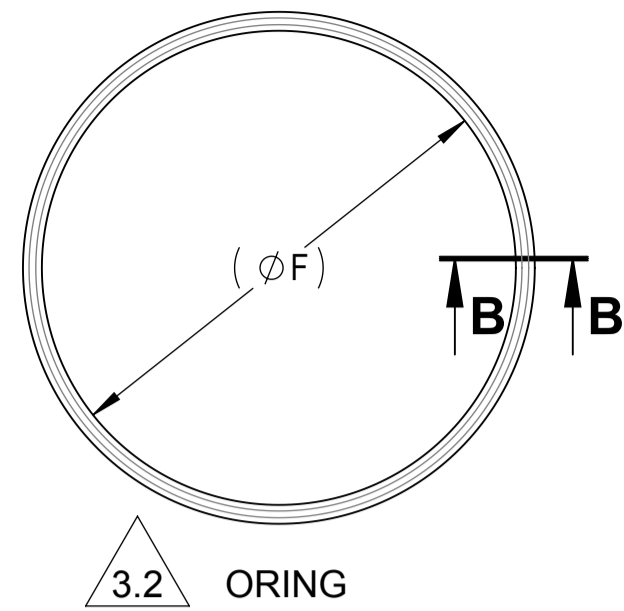
TABLE 1 FOR O-RING DIMENSIONS

FREQ	ORING	KIT PART NUMBER	CERAGON P/N (For Reference Only)	Ø F (ID)	PROPERTIES
UDR70	7651759	7622201-6W-CR4B	AA-0456-X	Ø 62.7	MATERIAL: SILICON COLOUR: BLACK HARDNESS SHORE: A-40 ± 10 TENSILE STRENGTH: 5MPa Min CONTINUOUS USE TEMP: -40° TO 120°@95%RH COMPRESSION SET: 30% Max (22 HRS @175°C) FLAMMABILITY: UL94 V0 OR V1
UBR84	7651760	7622201-7W-CR4B	AA-0388-X	Ø 55.3	
UBR100	7651761	7622201-11W-CR4B	AA-0392-X	Ø 51.2	
UBR120/UBR140	7651762	7622201-13-CR4B 7622201-15-CR4B	AA0455-X	Ø 45	
UBR220/UBR320/UG383	7650082	7622201-18-CR4B 7622201-23-CR4B 7622201-26-CR4B 7622201-28-CR4B 7622201-32-CR4B 7622201-38-CR4B 7622201-42-CR4C	AA-0454-X	Ø 39.2	

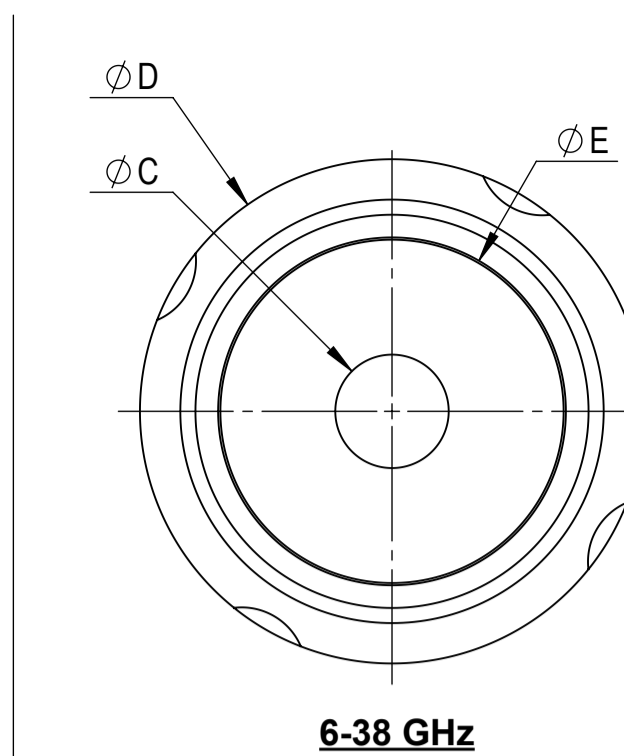
CIRC-CIRC USE SAME ORING AS PER UDR/UBR/UG PER FREQUENCY IN KIT 7622201-FR-CR5A.

TABLE 2 CIRC-CIRC WG DIMENSIONS

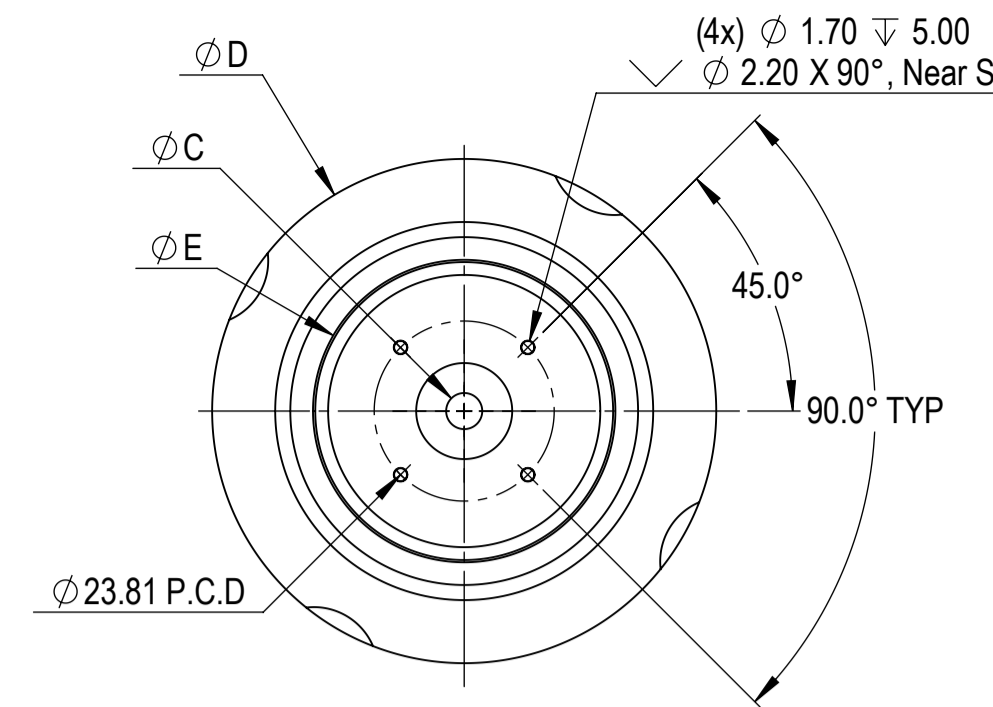
FREQ	Ø C	Ø D	Ø E
6GHz	31.80±0.05	73.00±0.10	64.00±0.05
7GHz	26.00±0.05	65.00±0.10	56.00±0.05
11GHz	18.00±0.05/0	61.00±0.10	52.00±0.05
13GHz	15.00±0.02	56.00±0.10	46.00±0.05
15GHz	13.50±0.02	56.00±0.10	46.00±0.05
18GHz	10.50±0.02	50.00±0.10	40.00±0.05
23GHz	9.00±0.03	50.00±0.10	40.00±0.05
26GHz	8.00±0.03	50.00±0.10	40.00±0.05
28GHz	7.00±0.02	50.00±0.10	40.00±0.05
32GHz	6.50±0.02	50.00±0.10	40.00±0.05
38GHz	5.50±0.02	50.00±0.10	40.00±0.05
42GHz	4.775±0.025	50.00±0.05	40.00±0.05



SECTION B-B



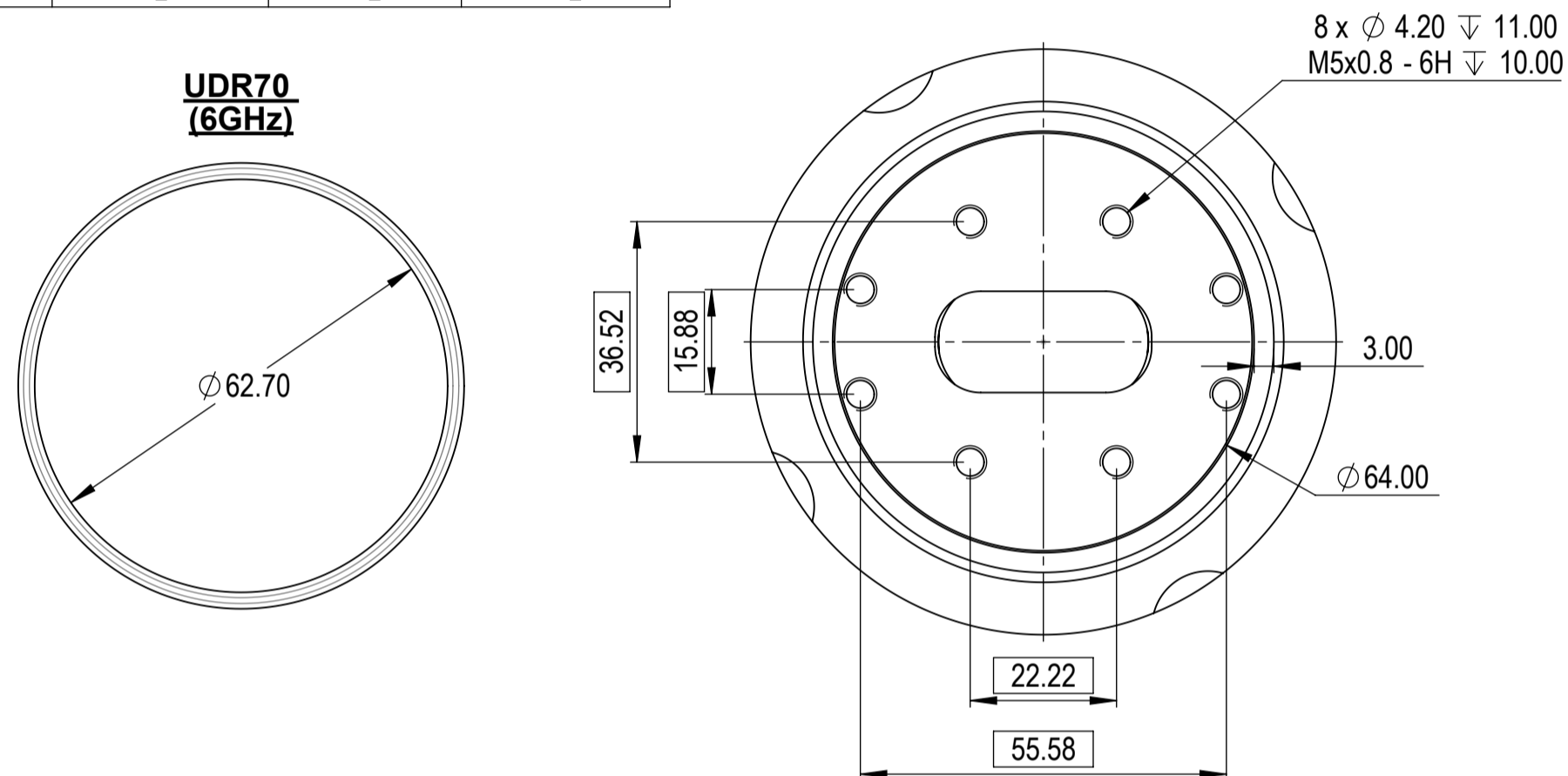
6-38 GHz



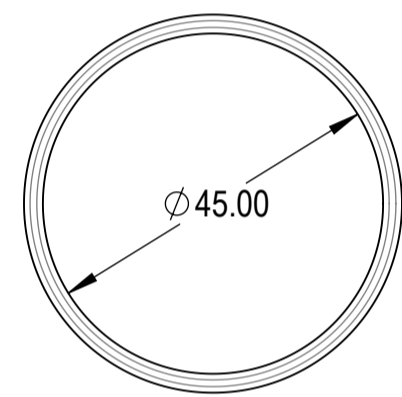
42 GHz

CIRC-CIRC ADAPTOR SHOWN

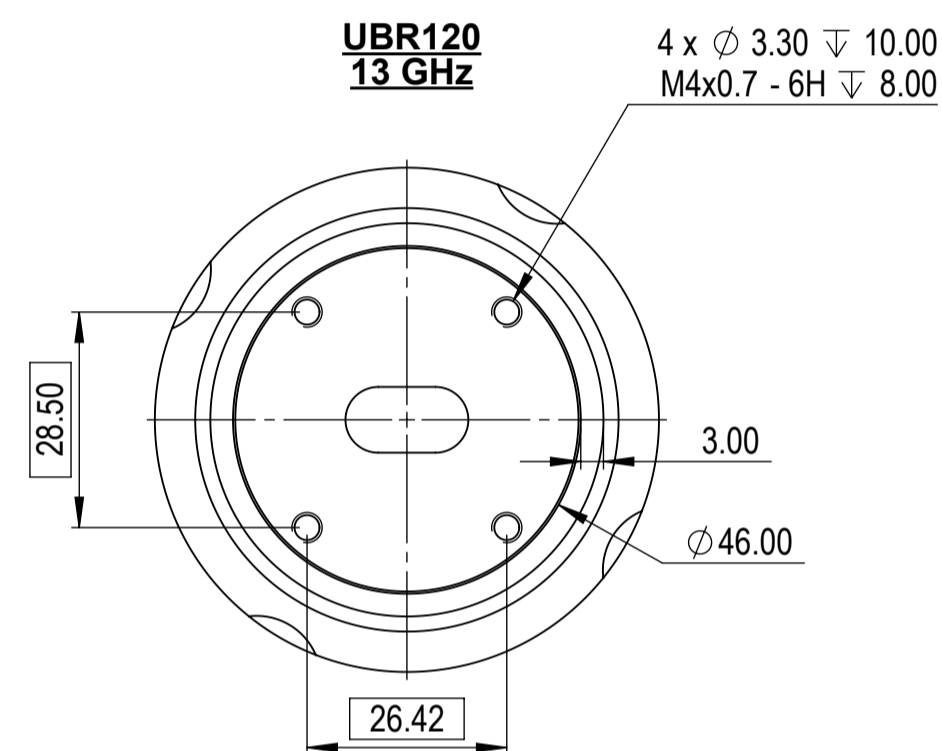
**UDR70
6 GHz**



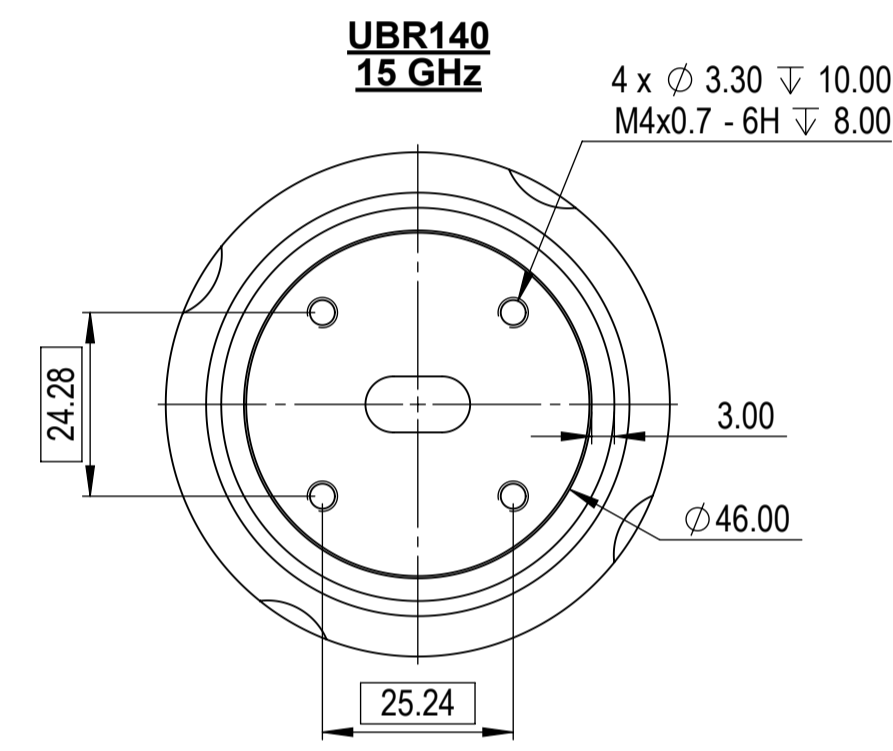
**UBR120/UBR140
(13-15GHz)**



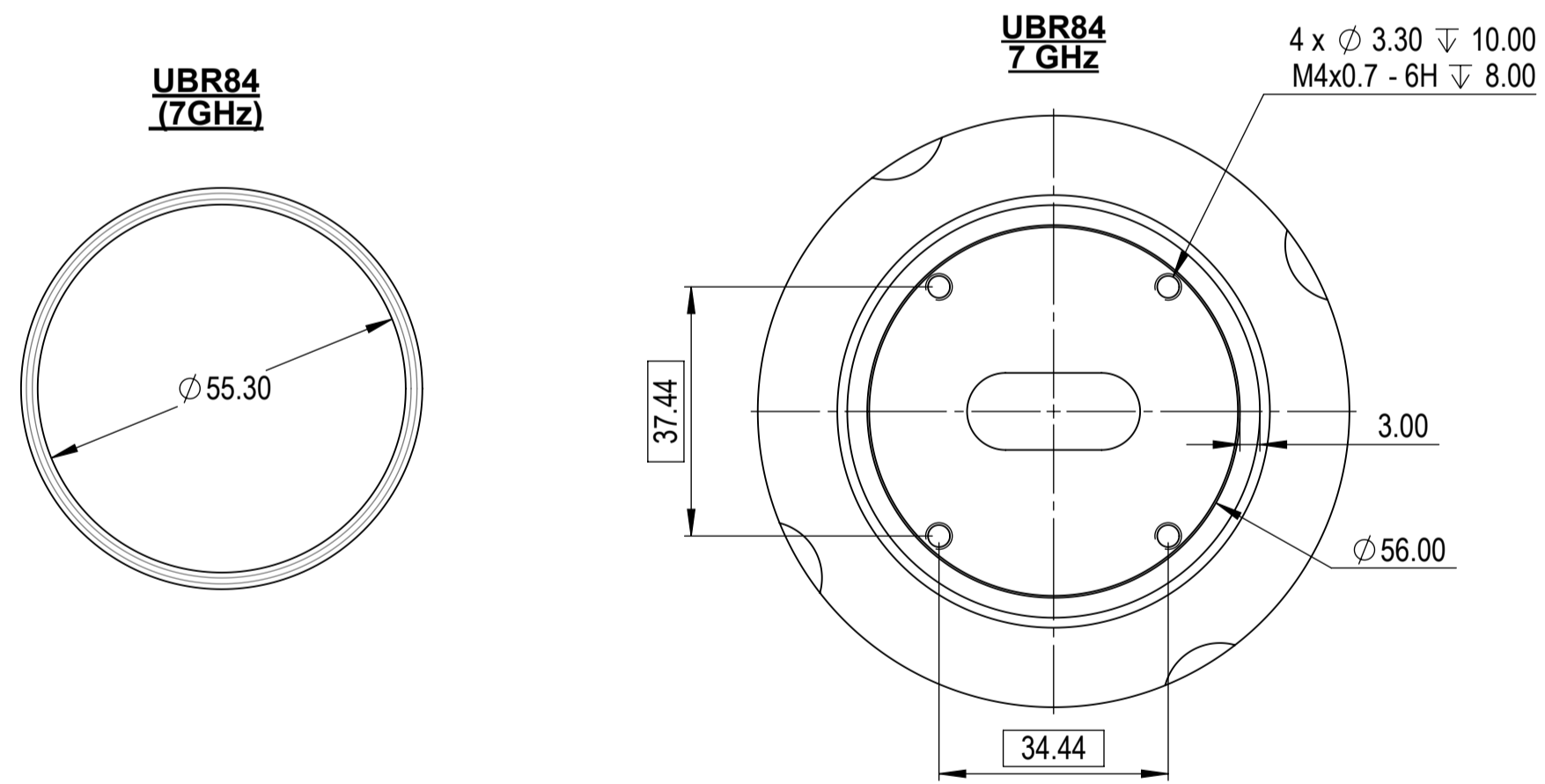
**UBR120
13 GHz**



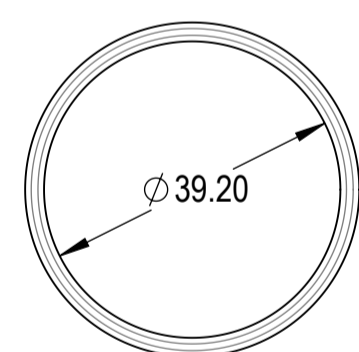
**UBR140
15 GHz**



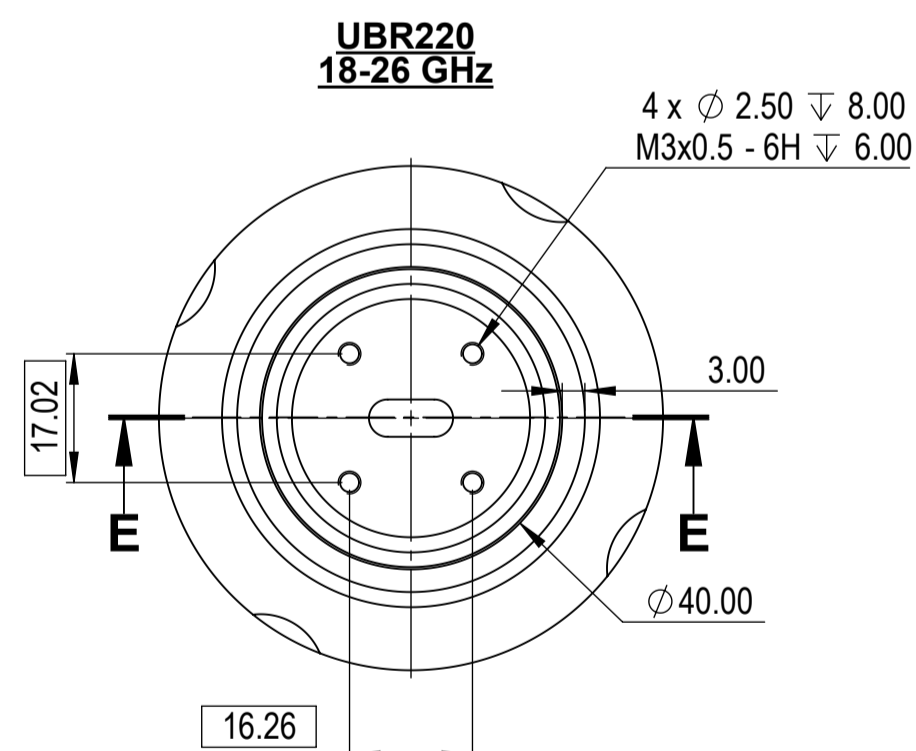
**UBR84
7 GHz**



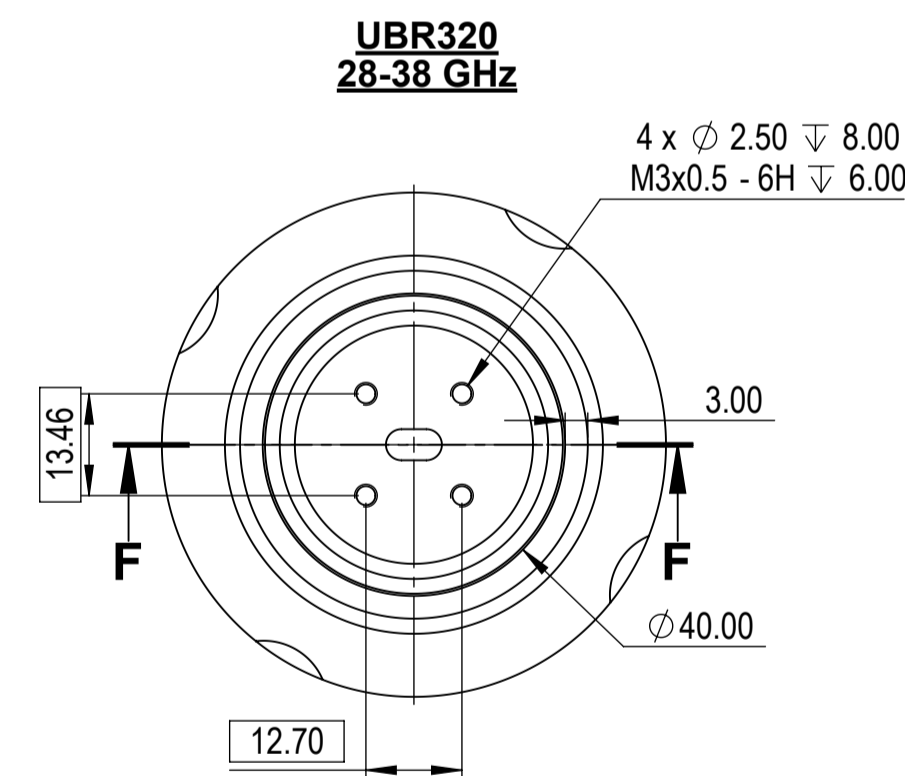
**UBR220/UBR320/UG383
(18-42GHz)**



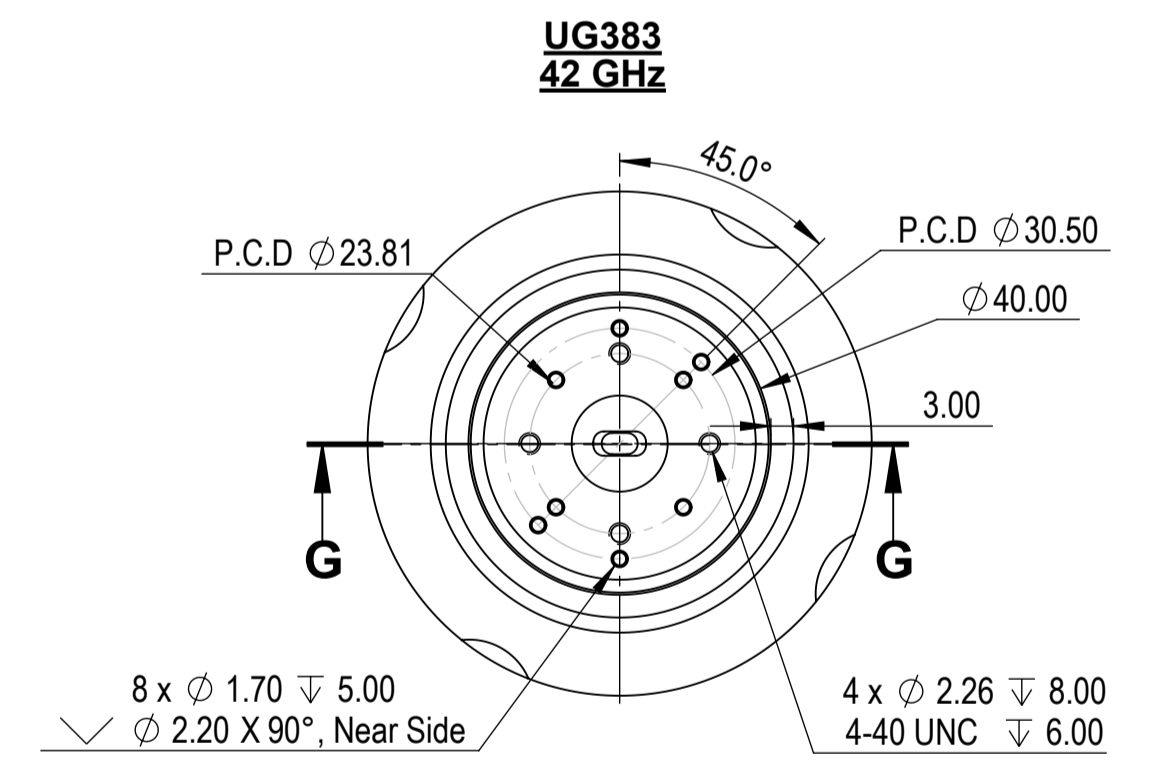
**UBR220
18-26 GHz**



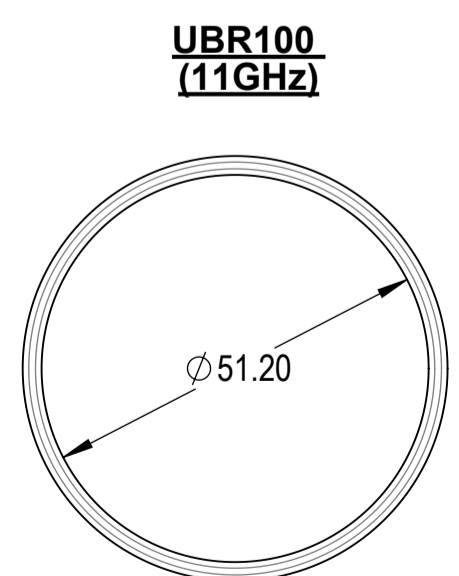
**UBR320
28-38 GHz**



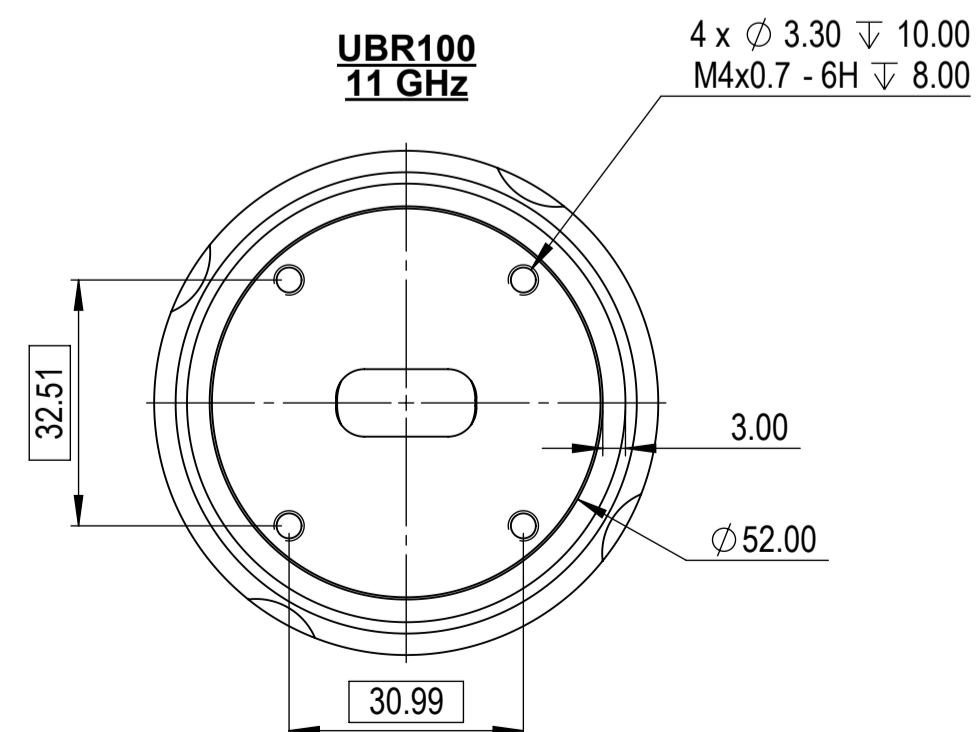
**UG383
42 GHz**



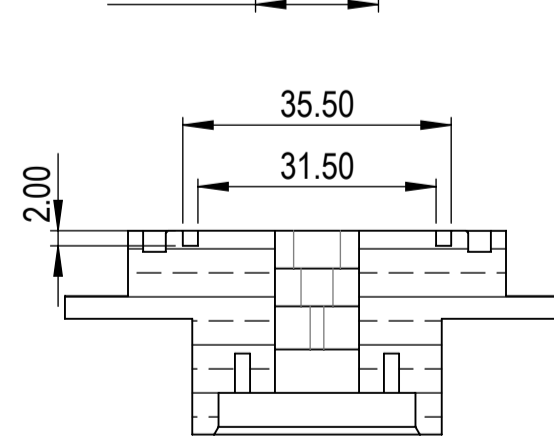
**UBR100
(11GHz)**



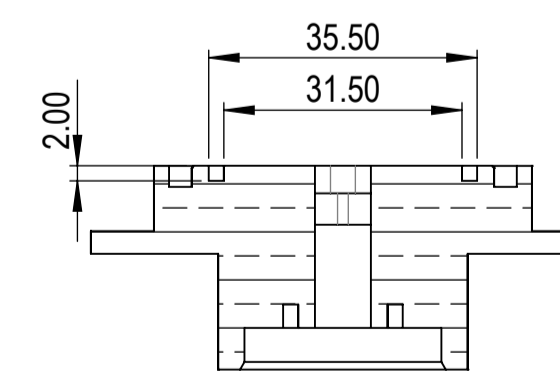
**UBR100
11 GHz**



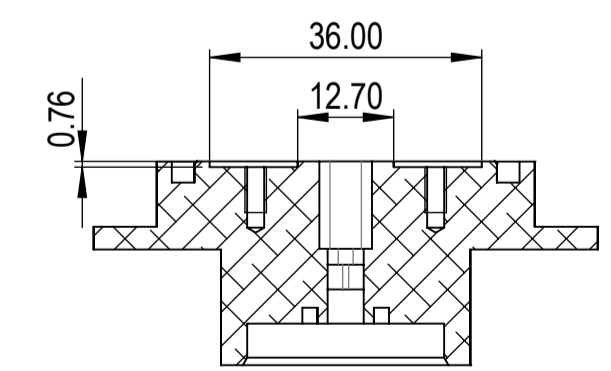
**SECTION E-E
SCALE 1 : 1**



**SECTION F-F
SCALE 1 : 1**



**SECTION G-G
SCALE 1 : 1**



COMMSCOPE, INC. OF NORTH CAROLINA			
TITLE ANTENNA INTERFACE SPEC CERAGON IPPN			
SIZE A1	SCALE 1:2	DOCUMENT NO. CR3676	
DRAWING		VERSION	SHEET
STATUS		REVISION	2 OF 2
02		RE	C