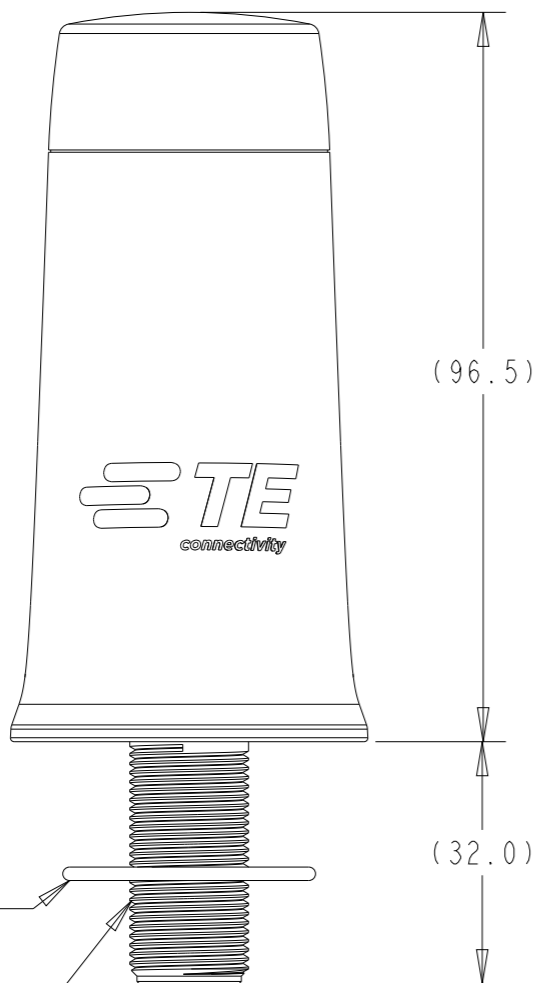
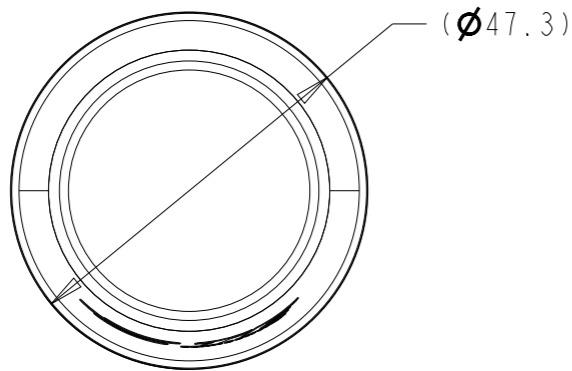


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	I	Initial Released	01NOV2022	TP	SJ
	A	REVISED PER ECO-22-184318	14NOV2022	TP	SJ
	A2	UPDATED OPS, STORAGE TEMP TO -55°C	15NOV2023	ERIC	W.T.



ENSURE BOTH O-RING ARE IN PLACE AT ASSEMBLY

5/8"-24 UNEF-2A THREAD

TORQUE TO 4-4.5 N-m

Parameter	Performance						
Part Number	FTRA6971M6PBN-001						
Frequency Bands, MHz	698-960	1427-1695	1695-2700	3300-4200	4400-6000	6000-6500	6500-7125
VSWR (Max)	2.5:1	2.0:1	2.0:1	2.5:1	3.5:1	3.5:1	3.5:1
Peak Gain (Ave), dBi	0.4	1.1	2.7	5.7	6.6	7.4	8.1
Gain (Ave) at Theta 80° (10° above horizon), dBi	-1.4	0.1	1.2	-3.9	-4.7	-6.0	-4.6
Total Efficiency (Ave), %	61	87	93	96	80	80	88
Nominal Impedance, ohm	50						
Polarization	Linear, Vertical						
Max Power (Ambient 25° C/77° F), watt	120	60	60	60	20	NA	N/A
Azimuth Beamwidth, °	360, Omnidirectional						
Weight, g	280.9						
Color	Black						
Housing	PC, UV Resistant, UL94 V-0						
Connector	N-Female						
Operating Temperature	-55° C ~ +85° C						
Storage Temperature	-55° C ~ +85° C						
RoHS Compliance	YES						
Ingression	IP67						

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN 28OCT2022  
 TP CHEE  
 CHK 28OCT2022  
 CY HANG  
 APVD 28OCT2022  
 SJ

				<p><b>PRELIMINARY</b></p>	
<p>OMNI, PH, PMT, 698-7125MHz NGP, BLK, 6dBI</p>				<p>RESTRICTED TO</p>	
SIZE	CAGE CODE	DRAWING NO	-		
A3	00779	©-FTRA6971M6PBN	-		
CUSTOMER DRAWING			SCALE 1:2	SHEET 1 OF 1	REV A2

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm	0 PLC ±-	1 PLC ±0.1
	2 PLC ±0.01	3 PLC ±0.001
	4 PLC ±0.0001	ANGLES ±-
MATERIAL	FINISH	
TBD	-	