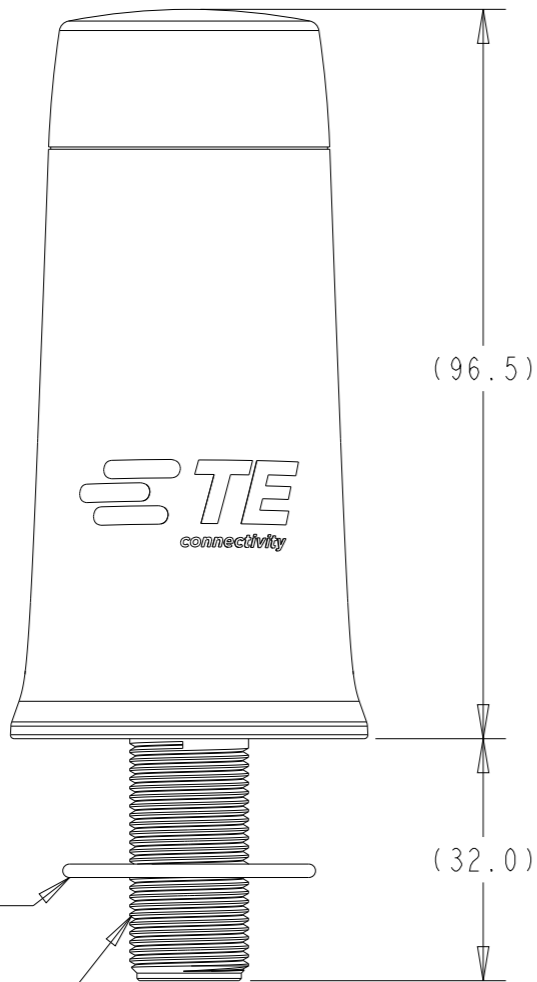
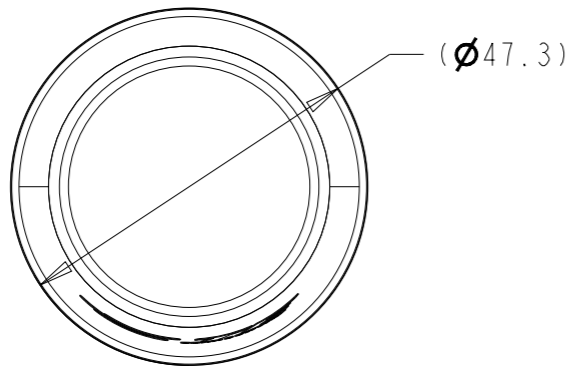


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	I	Initial Released	01NOV2022	TP	SJ
	A	ECO-22-184318	14NOV2022	TP	SJ
	AI	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	FTRA6971M6PWN-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	WHITE						
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

PRELIMINARY
 TE Connectivity
 NAME OMNI, PH, PMT,
 698-7125MHz NGP, WHITE, 6dBI

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

PRODUCT SPEC	-	SIZE	A3	CAGE CODE	00779	DRAWING NO	©-FTRA6971M6PWN	RESTRICTED TO	-
APPLICATION SPEC	-	WEIGHT	280.9g	SCALE	1:2	SHEET	1 OF 1	REV	AI
CUSTOMER DRAWING									