

Customer Information Sheet

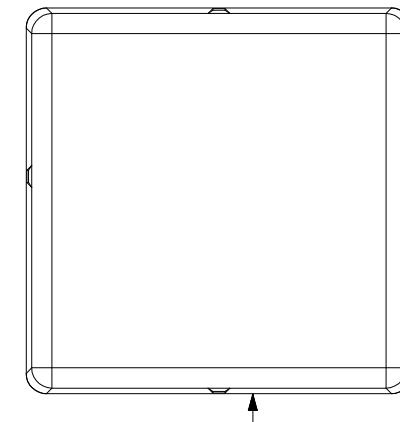
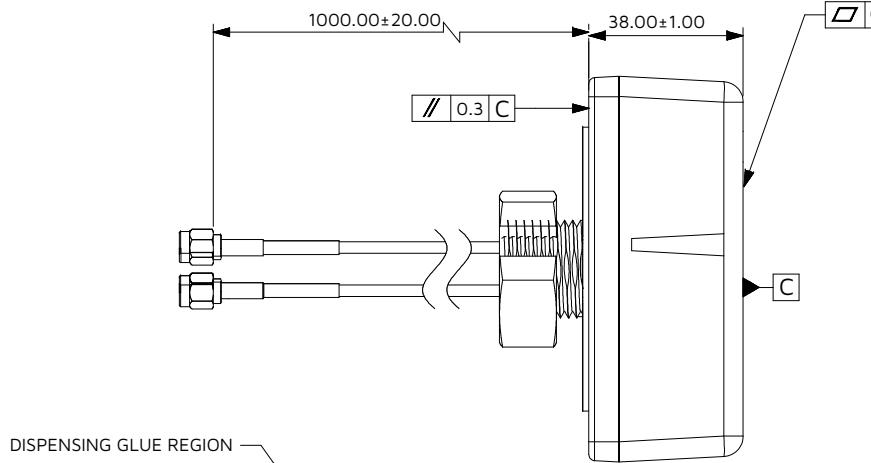
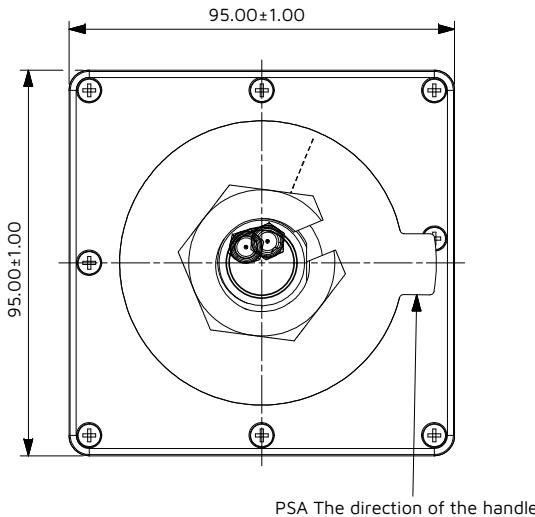
IF IN DOUBT - ASK

(C)

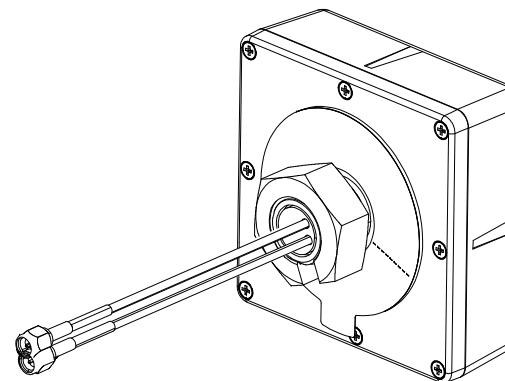
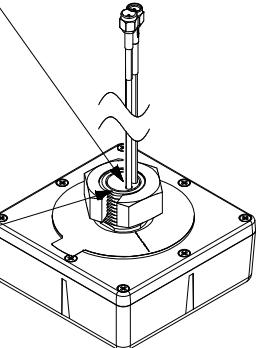
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



AFTER PRODUCT ASSEMBLE,
THE MAX DISLOCATION IS 0.50mm FOR ALL ROUND.



3D VIEW

KC	1	08JUL25	--
NAME	ISS.	DATE	CN/CO
APPROVED: WALKER/MEIZY			
CHECKED: THIRI			
DRAWN: KC			

Attention

1. Electrical Performance Specification (at room temperature)- Reference product/application Specification.
2. This product meets the IP67 requirements.
3. Frequency 5G/LTE: 698-960MHz/1710-2690MHz/3300-5000MHz
4. Gain : in free space 6.5dBi on metal plate 4.7 dBi
5. Polarization:Linear
6. Operating with matching : -40°C to 85°C
7. Storage with matching : -40°C to 85°C
8. RF power : 2 Watts
9. Impedance with matching : 50 Ohms
10. Cable : RG174
11. Connector type: SMA STRAIGHT CABLE PLUGS (MALE)

HARWIN

www.harwin.com

TOLERANCES

X. = ± 1 mm
 X.X = ± 0.50 mm
 X.XX = ± 0.20 mm
 X.XXX = ± 0.01 mm
 ANGLES = $\pm 5^\circ$
 UNLESS STATED

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MATERIAL & FINISH:

TITLE:

Feed 2in1 ANTENNA

DRAWING NUMBER:

MMANT-1700701-SM2-000

SHT
2
OF
1

Customer Information Sheet

IF IN DOUBT - ASK

(C)

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THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

PEAK GAIN(TYP.)

5G/LTE1 RF PERFORMANCE				
Frequency Range	698-960MHz	1710-2690MHz	3300-4200MHz	4400-5000MHz
in free space	1.0dBi	3.3dBi	3.1dBi	2.8dBi
on metal plate	4.2dBi	6.0dBi	5.2dBi	5.0dBi
5G/LTE2 RF PERFORMANCE				
Frequency Range	698-960MHz	1710-2690MHz	3300-4200MHz	4400-5000MHz
in free space	0.7dBi	6.5dBi	3.6dBi	2.8dBi
on metal plate	4.3dBi	4.7dBi	5.4dBi	4.4dBi

Note:

1. Working frequency :
698-960MHz/1710-2690MHz/3300-5000MHz for 5G/LTE MIMO,
2. Product peak gain Please refer to the catalog.
3. Operating with matching : -40°C to 85°C
4. Storage with matching : -40°C to 85°C
5. Impedance with matching : 50 Ohms

BOM REFERENCE			
NO.	NAME	Materials	
1	TOP HOUSING	Plastic resin PC/ABS	
2	BOTTOM COVER	Plastic resin PC/ABS	
3	PCB	FR4	
4	METAL SHEET	SUS 304	
5	SHIELDING	20x20x3.2mm	
6	SEALING RING	EPDM Black	
7	SCREW	ST2.9 GB/T	
8	LTE-1 CABLE	RG174+SMA	
9	LTE-2 CABLE	RG174+SMA	
10	PSA	FYJD150G	
11	NUT	GB-M24	
12	FOAM	EVA	
13	GNSS FOAM	EVA	
14	GLUE	GLUE	
KC	1	08JUL25	--
NAME	ISS.	DATE	CN/CO
APPROVED: WALKER/MEIZY			
CHECKED: THIRI			
DRAWN: KC			

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