

Customer Information Sheet

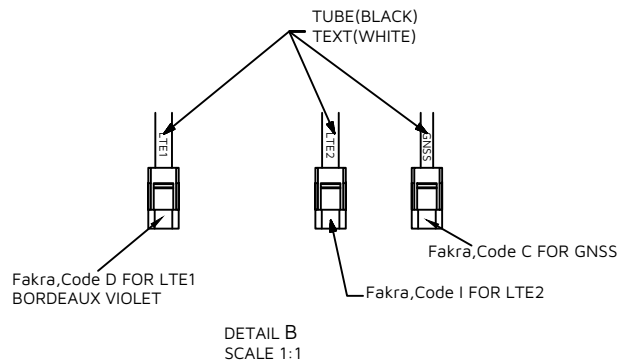
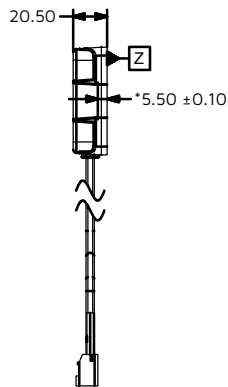
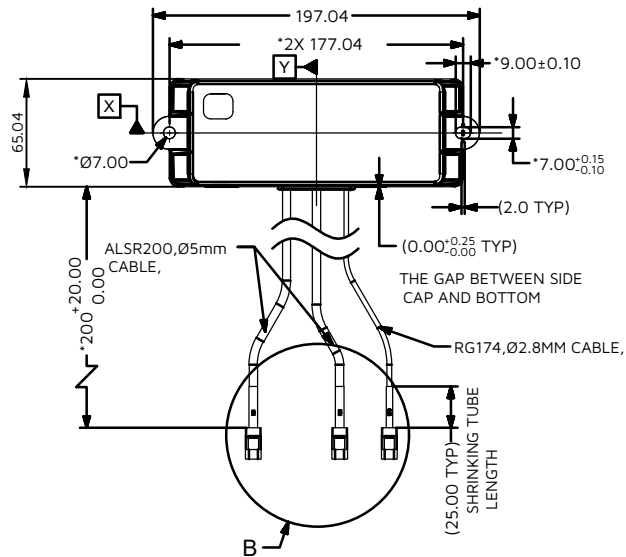
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



NOTE:
1.IPX7 REQUIREMENT FOR THIS EXTERNAL ANTENNA;
2.RELIABILITY TEST PER OUR TEST SPEC WE PROVIDED;
3.RF SPEC PER OUR RF ENGINEER DEFINED;
4.COSMETIC SPEC,PLESAE FOLLOW OUR AQP'S DEFINITION.
5.WORKING FREQUENCY
FREQUENCY:698-960MHz/1500-1700MHz/1710-2690MHz FOR LTE ,
FREQUENCY:1561-1602MHz FOR GNSS

14	FOAM	EVA
13	FOAM/GPS	EVA
12	SILICONE PLUG GLUE	GLUE
11	TOP AND BOTTOM GLUE	BLACK GULE
10	SOLDER WIRE	1.3mm
9	SHIELDING FOR GNSS	0.3SPTE
8	GNSS MODULE(GPS)	Ceramic Antenna
7	3 IN 1 CABLE ASSY FOR 5G/LTE2-DVI	FAKRA
6	3 IN 1 CABLE ASSY FOR 5G/LTE1-PR1	FAKRA
5	3 IN1 CABLE ASSY FOR GNSS	FAKRA
4	PCB	FR4
3	SIDE CAP FOR 3 IN 1	SILICONE
2	BOTTOM HOUSING WITH TAB	Plastic resin PC
1	TOP COVER	Plastic resin PC
NO.	NAME	Materials

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

HARWIN

www.harwin.com

TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5-
UNLESS STATED

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

MATERIAL & FINISH:

TITLE:
3-in-1 Antenna: LTE x1-2, Active
GPS/Beidou, Screw Mount, 3 Fakra
connectors

DRAWING NUMBER:
MMANT-1700401-FK3-000

SHT
1
OF
1