3RD ANGLE PROJECTION	DO NOT SCALE	DENOTES LATEST ISSUE CHANGES	DENOTES CRITICAL VALUE	© 2017 A4	THIS DOCUMENT MUST NOT BE COPIED OR DISCLOSED TO A THIRD PARTY WITHOUT THE WRITTEN CONSENT OF PANORAMA ANTENNAS LTD.	DRG. No.	C23FP-5SP-GNSS

TOLERANCES UNLESS OTHERWISE STATED			
0 DEC. PLACE	±0.5	2 DEC. PLACES	±0.1
1 DEC. PLACE	±0.2	ANGULAR	±1°

CABLE SPECIFICATION VALUES:-

1. CHARACTERISTIC IMPEDANCE:-
   50Ω ±2Ω @ 1GHz
   50Ω ±4Ω @ 2GHz

2. ATTENUATION:-
   NO GREATER THAN 0.5 dB/m AT 1 GHz.
   NO GREATER THAN 0.75 dB/m AT 2 GHz.

3. MAX. PEAK VOLTAGE:- 1.5kV DC.

4. BRAID RESISTANCE PER 10m LESS THAN 160mΩ.

5. SHIELDING EFFECTIVENESS ACCORDING TO IEC61196 TO BE < -55dB AT 30-10000 MHz.

SPECIFICATION NOTES:

1. ELECTRICAL TEST - EACH CABLE.
   CENTRE CONDUCTOR/OUTER SCREEN ISOLATION 1KV MIN.
   CENTRE CONDUCTOR END TO END TEST.

2. TENSILE PULL TEST SAMPLE/ASSEMBLY PER 3000 BATCH.
   PULLING LOAD - CONNECTOR BODY - 5Kg.
   PULLING LOAD - CENTRE PIN - 2Kg.

3. CS23 CABLE PERFORMANCE TEST SAMPLE PER 10000 m BATCH.
   IMPEDANCE 50Ω ±2Ω @ 1GHz. & 50Ω ±4Ω @ 2GHz.
   LOSS NO GREATER THAN 0.5dB/m @ 1GHz. & 0.75dB/m @ 2GHz.

GENERAL NOTES:-

1. ALL MATERIALS SUPPLIED MUST BE RoHS2 (DIRECTIVE 2011/65/EU) COMPLIANT AND MUST NOT CONTAIN ANY SUBSTANCES OF VERY HIGH CONCERN (SVHCs) LISTED UNDER REACH OR POLY-AROMATIC HYDROCARBONS (PAHs), OR PERSISTENT ORGANIC POLLUTANTS (POPs) CONTROLLED BY THE STOCKHOLM CONVENTION.

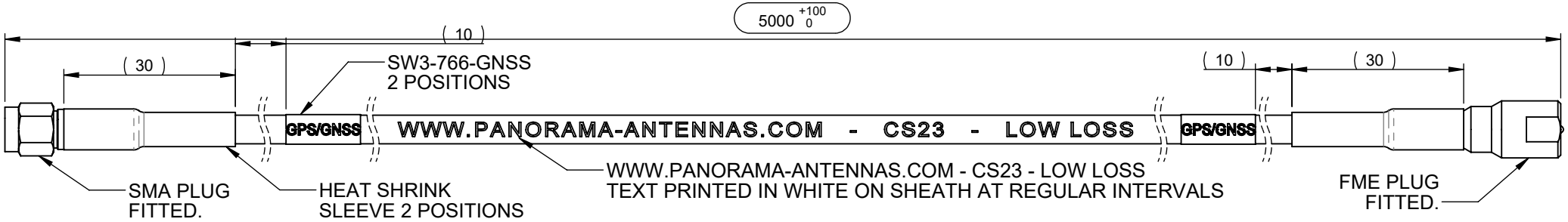
2. CABLE SHEATH TO BE BLACK, UV STABILISED PACREL 6385N TPE.

3. PRINTING MUST BE DURABLE AND ENVIRONMENTALLY RESISTANT.

4. CONNECTORS MUST CONFORM TO STANDARD INTERFACE DIMENSIONS.

5. SAMPLES MUST BE APPROVED BY PANORAMA ANTENNAS Q.C. BEFORE COMMENCING PRODUCTION.

6. IN ORDER TO ASSURE COMPLIANCE WITH THE U.S. DODD-FRANK ACT (SECTION 1502) TIN, GOLD, TANTALUM & TUNGSTEN CONTAINED IN PANORAMA PRODUCTS MUST BE FULLY TRACEABLE TO A SMELTER APPROVED BY THE CONFLICT FREE SOURCING INITIATIVE (www.conflictfreesmelter.org)



PCN	REV.	DESCRIPTION	DATE	DRN.
01019	1	PRODUCTION ISSUE	12/12/2017	IC
01019	2	3D CONFIGURATION UPDATE (NO CHANGES)	15/12/2017	IC

PRODUCT/ASSEMBLY: CABLES AND CABLE ASSEMBLIES

MATERIAL: N/A

FINISH: N/A

WEIGHT 201g

SHEET 1 OF 1

DESCRIPTION: FME PLUG FITTED- SMA PLUG FITTED CS23 CABLE ASSEMBLY

APPROVED	D.O.CHECK	SCALE	DIMENSIONS IN mm
KD	MM	1:1	

PANORAMA ANTENNAS