

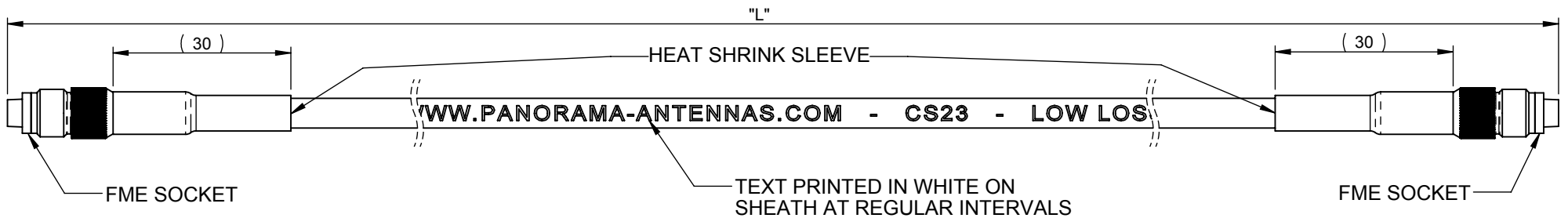
TOLERANCES UNLESS OTHERWISE STATED

|              |      |               |      |
|--------------|------|---------------|------|
| 0 DEC. PLACE | ±0.5 | 2 DEC. PLACES | ±0.1 |
| 1 DEC. PLACE | ±0.2 | ANGULAR       | ±1°  |

| PART No.  | "L"-mm | TOL.-mm |
|-----------|--------|---------|
| C23F-055F | 550    | +30/-0  |
| C23F-075F | 750    | +30/-0  |
| C23F-095F | 950    | +30/-0  |
| C23F-1F   | 1000   | +100/-0 |
| C23F-1-5F | 1500   | +100/-0 |
| C23F-2F   | 2000   | +100/-0 |
| C23F-3F   | 3000   | +100/-0 |
| C23F-4F   | 4000   | +100/-0 |
| C23F-4-5F | 4500   | +100/-0 |
| C23F-5F   | 5000   | +100/-0 |
| C23F-6F   | 6000   | +100/-0 |
| C23F-7F   | 7000   | +100/-0 |
| C23F-8F   | 8000   | +100/-0 |
| C23F-10F  | 10000  | +100/-0 |

NOTES:

1. **CHARACTERISTIC IMPEDANCE:** 50Ω ±2Ω @ 1GHz & 50Ω ±4Ω @ 2GHz  
**ATTENUATION:** NO GREATER THAN: 0.5 dB/m AT 1 GHz & 0.75 dB/m AT 2 GHz  
**MAX. PEAK VOLTAGE:** 1.5kV DC  
**BRAID RESISTANCE PER 10m LESS THAN 160mΩ**  
**SHIELDING EFFECTIVENESS** ACCORDING TO IEC61196 TO BE < -55dB AT 30-10000 MHz
2. ELECTRICAL TEST - EACH CABLE. CENTRE CONDUCTOR/OUTER SCREEN ISOLATION 1KV MIN. CENTRE CONDUCTOR END TO END TEST.
3. TENSILE PULL TEST SAMPLE/ASSEMBLY PER 3000 BATCH. PULLING LOAD - CONNECTOR BODY - 5Kg, CENTRE PIN - 2Kg.
4. CS23 CABLE PERFORMANCE TEST SAMPLE PER 10000 m BATCH. IMPEDANCE 50Ω ±2Ω @ 1GHz. & 50Ω ±4Ω @ 2GHz.
5. LOSS NO GREATER THAN 0.5dB/m @ 1GHz & 0.75dB/m @ 2GHz.
6. ALL PARTS MUST BE ROHS 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.
7. CABLE SHEATH TO BE BLACK, UV STABILISED PACREL 6385N TPE. PRINTING MUST BE DURABLE AND ENVIRONMENTALLY RESISTANT.
8. CONNECTORS MUST CONFORM TO STANDARD INTERFACE DIMENSIONS.
9. SAMPLES MUST BE APPROVED BY PANORAMA ANTENNAS Q.C. BEFORE COMMENCING PRODUCTION.
10. 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.conflictreesmelter.org](http://www.conflictreesmelter.org))



| 01019     | 12   | REDRAWN IN 2D,3D. NOTES UPDATED | 22/05/2014 | RF    |
|-----------|------|---------------------------------|------------|-------|
| PCN       | REV. | DESCRIPTION OF CHANGE           | DATE       | DRAWN |
| REVISIONS |      |                                 |            |       |

|  |  |   |                |              |
|--|--|---|----------------|--------------|
| PRODUCT/ASSEMBLY<br><b>CABLES AND CABLE ASSEMBLIES</b> |  | DESCRIPTION<br><b>FME(f) - FME(f) CS23 CABLE ASSEMBLY</b> |                |              |
| MATERIAL<br>N/A  |  | APPROVED<br>KD  | DO.CHECK<br>PE | SCALE<br>1:1 |
| FINISH<br>N/A  |  | DIMENSIONS<br>IN mm                                       |                |              |
| WEIGHT N/A   |  | SHEET 1 OF 1  |                |              |

**PANORAMA ANTENNAS**