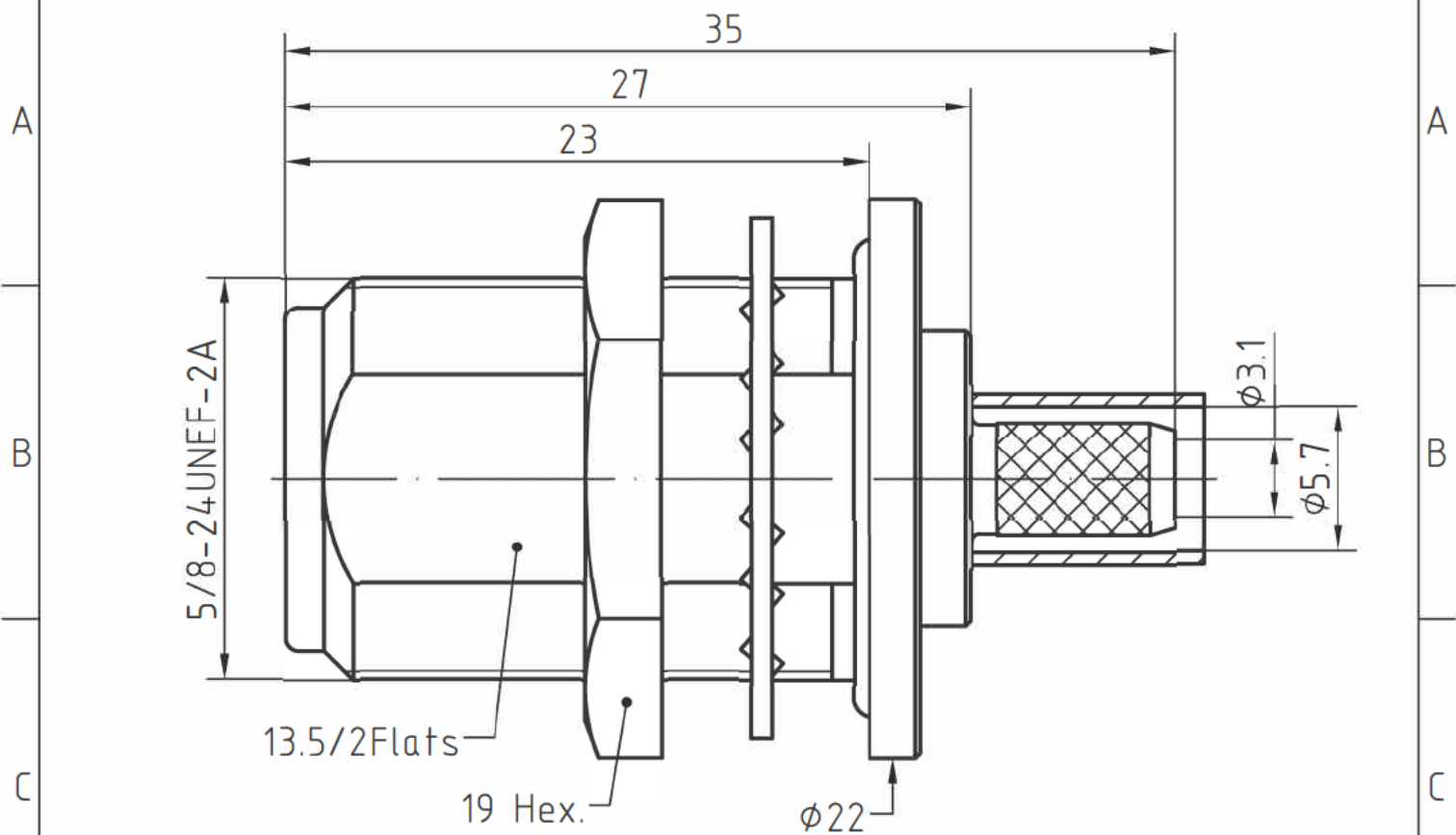
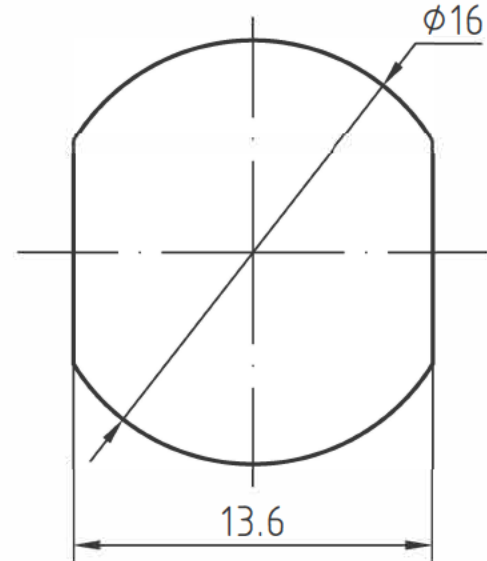
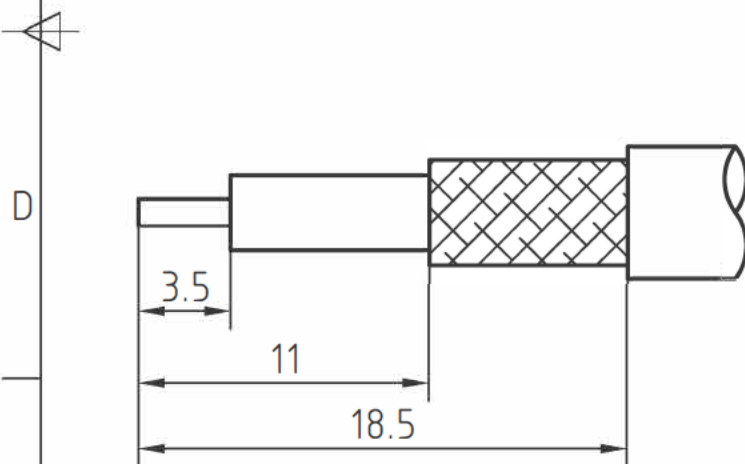




CABLE(RG142B/U, RG223/U, RG400/U)

MOUNTING HOLE



|   |   |                |                             |  |
|---|---|----------------|-----------------------------|--|
| 5 | 1 | O ring         | Silicon rubber              |  |
| 4 | 1 | Lockwasher     | Brass/Nickel plated         |  |
| 3 | 1 | Body and Nut   | Brass/Nickel plated         |  |
| 2 | 1 | Insulator      | PFTE                        |  |
| 1 | 1 | Center contact | Phosphor bronze/Gold plated |  |

| Itemref                 | Quantity              | Title/Name, designation, material, dimension etc | Article No./Reference  |
|-------------------------|-----------------------|--------------------------------------------------|------------------------|
| Designed by<br>Xio Xang | Checked by<br>Jing Lo | Approved by<br>Jing Chan                         | File name<br>N-112110B |
|                         |                       | Date<br>09.12.18                                 | Scale<br>4 : 1         |

# CHARACTERISTICS

DESCRIPTION:

N Type female BH connector

## Electrical data:

|                                                 |                                                      |
|-------------------------------------------------|------------------------------------------------------|
| Impedance:                                      | 50 ohm                                               |
| Frequency range:                                | DC to 8.0 GHz                                        |
| VSWR:                                           | $\leq 1.05 + 0.04 \times f \text{ [GHz]}$            |
| Insertion loss:                                 | $\leq 0.15 \times \sqrt{f \text{ [GHz]}} \text{ dB}$ |
| Insulation resistance:                          | $\geq 5000 \text{ M}\Omega$                          |
| Test voltage:                                   | 2500 V rms                                           |
| Working voltage:                                | 1400 V rms                                           |
| Contact resistance:                             |                                                      |
| 1). Centre contact:                             | $\leq 1.0 \text{ m}\Omega$                           |
| 2). Outer conductor:                            | $\leq 0.2 \text{ m}\Omega$                           |
| Power handling (at 20 °C, sea level, VSWR 1.0): | 1000 W @ 1 GHz<br>700 W @ 2 GHz                      |

- Limitations are possible due to the used cable type -

## Environmental data:

|                     |                     |
|---------------------|---------------------|
| Temperature rating: | -65 ° C to +165 ° C |
| 2002/95/EC (RoHS):  | Compliant           |

## Mechanical data:

|                       |                       |
|-----------------------|-----------------------|
| Mating cycles:        | $\geq 500$            |
| Coupling test torque: | $\leq 1.7 \text{ Nm}$ |
| Recommended torque:   | 0.7 Nm to 1.1 Nm      |

## Suitable cables:

RG142B/U, RG223/U, RG400/U