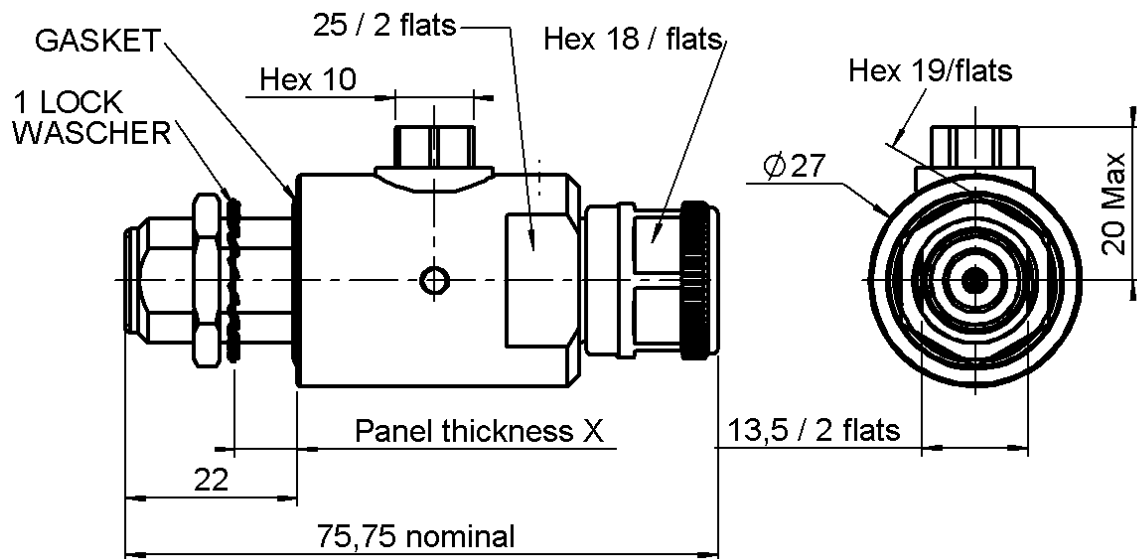


**GAS DISCHARGE TUBE DC-2.5 GHz**

**BULKHEAD N F TO N M**

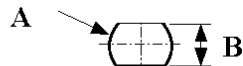
**R445.G00.100**

Series : GDT



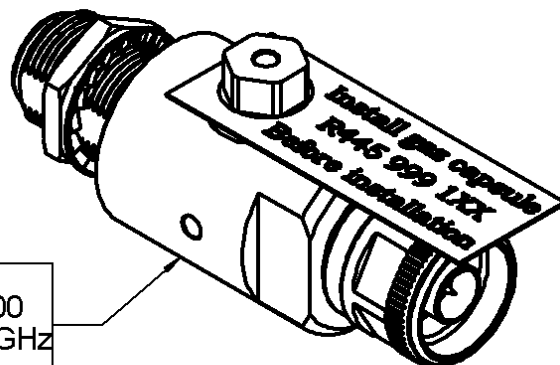
X : mini = 1.5  
max = 6

**PANEL CUT OUT**



|   | mm   |      |
|---|------|------|
|   | Maxi | mini |
| A | 16.1 | 16   |
| B | 13.7 | 13.6 |

RADIALL  
R445G00100  
GDT DC-2.5 GHz  
Lot: An Se



All dimensions are in mm.



| COMPONENTS     | MATERIALS              | PLATINGS (µm)         |
|----------------|------------------------|-----------------------|
| BODY           | BRASS                  | BBR 0.5 OVER SILVER 3 |
| CENTER CONTACT | BERYLLIUM COPPER,BRASS | BBR 0.5 OVER SILVER 3 |
| OUTER CONTACT  | BRASS                  | BBR 0.5 OVER SILVER 3 |
| INSULATOR      | PTFE                   |                       |
| GASKET         | SILICONE RUBBER        |                       |
| OTHERS PARTS   | BRASS                  | BBR 2                 |
| -              | -                      | -                     |
| -              | -                      | -                     |

Issue : 0339 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.



**GAS DISCHARGE TUBE DC-2.5 GHZ****BULKHEAD N F TO N M****R445.G00.100**

Series : GDT

**PACKAGING**

| Standard | Unit | Other             |
|----------|------|-------------------|
| <b>1</b> | -    | <b>Contact us</b> |

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

|                       |                         |                                            |
|-----------------------|-------------------------|--------------------------------------------|
| Impedance             |                         | <b>50</b> Ω                                |
| First frequency band  | <b>0</b> to <b>2500</b> | MHz                                        |
| VSWR                  |                         | <b>1.2</b> Maxi                            |
| Insertion loss        |                         | <b>0.2</b> dB Maxi                         |
| Second frequency band | <b>NA</b> to <b>NA</b>  | MHz                                        |
| VSWR                  |                         | <b>NA</b> Maxi                             |
| Insertion loss        |                         | <b>NA</b> dB Maxi                          |
| RF leakage            | - (                     | <b>100</b> - F(GHz)) dB Maxi               |
| Residual Voltage      | <b>350</b> V at         | <b>2.5</b> kA (8/20μs test pulse waveform) |
| Intermodulation       |                         | <b>NA</b> dBm (2x20W)                      |

**SURGE ARRESTER CAPSULE**

(Not supplied)

|                            |                                    |
|----------------------------|------------------------------------|
| Form                       | <b>BUTTON METAL-CERAMIC DIA8x6</b> |
| Radiall part number :      | <b>SEE TDS R4459991**</b>          |
| Recommended torque for nut | <b>600</b> N.cm                    |

**OTHERS CHARACTERISTICS**

measured with R445.999.103 arrester

**MECHANICAL CHARACTERISTICS**

|                            |                        |
|----------------------------|------------------------|
| Protected connector        | <b>N - FEMALE</b>      |
| Unprotected connector      | <b>N - MALE</b>        |
| Center contact retention   |                        |
| Axial force – Mating end   | <b>27</b> N mini       |
| Axial force – Opposite end | <b>27</b> N mini       |
| Torque                     | <b>NA</b> N.cm mini    |
| Recommended torque         |                        |
| Mating (protected)         | <b>NA</b> N.cm         |
| Mating (unprotected)       | <b>170</b> N.cm        |
| Panel nut                  | <b>500</b> N.cm        |
| Clamp nut                  | <b>NA</b> N.cm         |
| A/F clamp nut              | <b>0.000</b> mm        |
| Mating life                | <b>500</b> Cycles mini |
| Weight                     | <b>174.500</b> g       |

**ENVIRONMENTAL**

|                       |                     |
|-----------------------|---------------------|
| Operating temperature | <b>-40/+80</b> ° C  |
| Hermetic seal         | <b>NA</b> Atm.cm3/s |
| Panel leakage         | <b>IP67</b>         |

Issue : 0339 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

