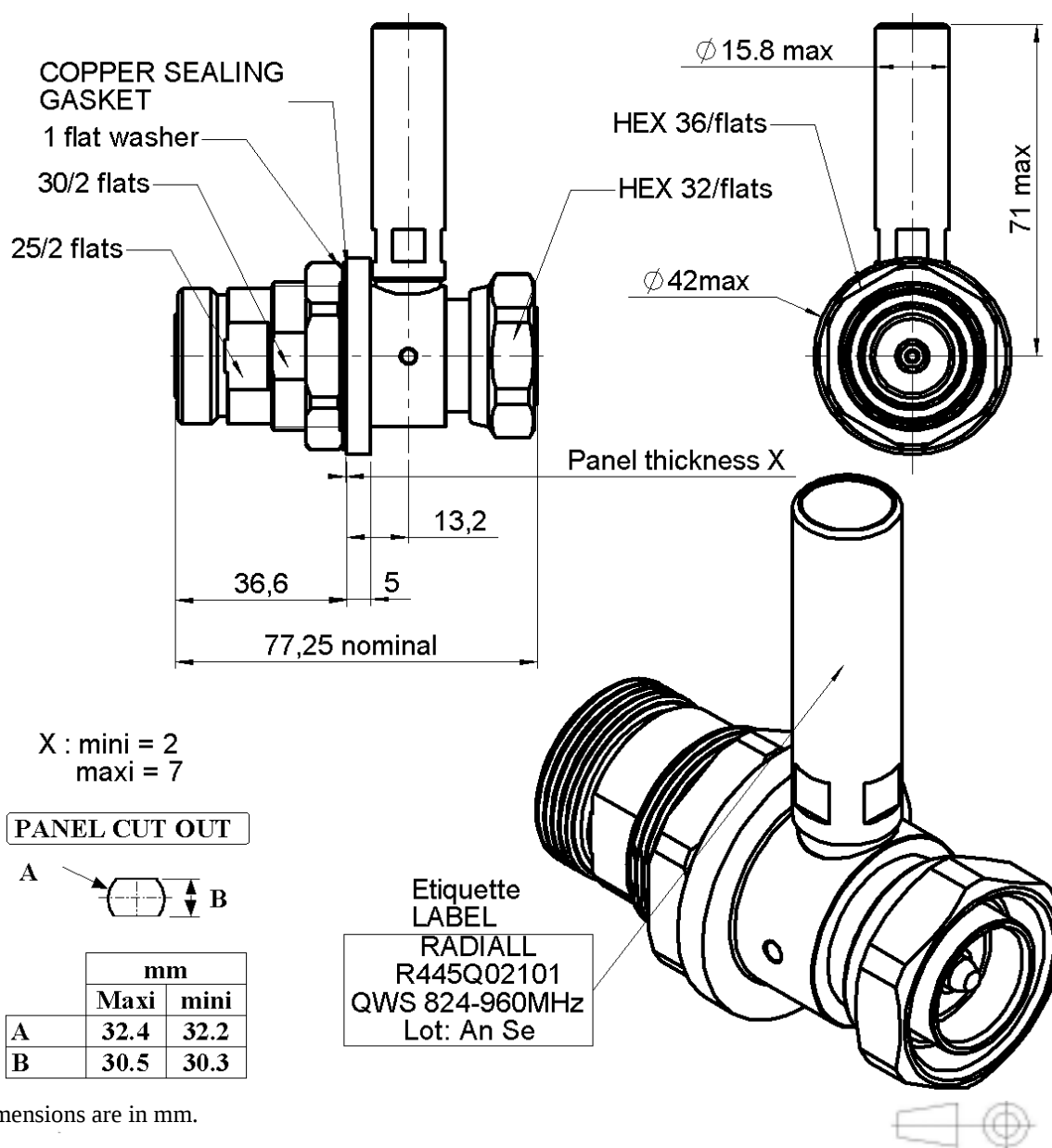


## QUARTER WAVE STUB 824-960 MHZ

## BULKHEAD 7-16 F TO 7-16 M

**R445.Q02.101**

Series : QWS



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 5 |
| INSULATOR      | PTFE                    |                       |
| GASKET         | COPPER                  |                       |
| OTHERS PARTS   | BRASS                   | BBR 2                 |
| -              | -                       | -                     |
| -              | -                       | -                     |

Issue : 0103 A

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



**QUARTER WAVE STUB 824-960 MHZ****BULKHEAD 7-16 F TO 7-16 M****R445.Q02.101**

Series : QWS

**PACKAGING**

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

**SPECIFICATION****ELECTRICAL CHARACTERISTICS**

|                       |                          |                                                  |
|-----------------------|--------------------------|--------------------------------------------------|
| Impedance             |                          | <b>50</b> $\Omega$                               |
| First frequency band  | <b>824</b> to <b>960</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>15</b> V at           | <b>2.5</b> kA (8/20 $\mu$ s test pulse waveform) |
| Intermodulation       |                          | <b>-110</b> dBm (2x20W)                          |

**SURGE ARRESTER CAPSULE**

(Not supplied)

|                            |                 |
|----------------------------|-----------------|
| Form                       | <b>NA</b>       |
| Radiall part number :      | <b>NA</b>       |
| Recommended torque for nut | <b>RNA</b> N.cm |

**OTHERS CHARACTERISTICS****MECHANICAL CHARACTERISTICS**

|                            |                        |
|----------------------------|------------------------|
| Protected connector        | <b>7-16 - FEMALE</b>   |
| Unprotected connector      | <b>7-16 - MALE</b>     |
| Center contact retention   |                        |
| Axial force – Mating end   | <b>200</b> N mini      |
| Axial force – Opposite end | <b>100</b> N mini      |
| Torque                     | <b>NA</b> N.cm mini    |
| Recommended torque         |                        |
| Mating (protected)         | <b>NA</b> N.cm         |
| Mating (unprotected)       | <b>3500</b> N.cm       |
| Panel nut                  | <b>3500</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>460.523</b> g       |

**ENVIRONMENTAL**

|                       |                                  |
|-----------------------|----------------------------------|
| Operating temperature | <b>-40/+80</b> ° C               |
| Hermetic seal         | <b>NA</b> Atm.cm <sup>3</sup> /s |
| Panel leakage         | <b>IP67</b>                      |

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