

## Series : QN



| COMPONENTS     | MATERIALS        | PLATINGS (μm)            |
|----------------|------------------|--------------------------|
| BODY           | BRASS            | BBR 0.5 OVER SILVER 3    |
| CENTER CONTACT | BERYLLIUM COPPER | GOLD 1.3 OVER COPPER 2.5 |
| OUTER CONTACT  |                  |                          |
| INSULATOR      | PTFE             |                          |
| GASKET         | SILICONE RUBBER  |                          |
| OTHERS PARTS   | BRASS            | BBR 2                    |
| -              | -                | -                        |
| -              | -                | -                        |

**RADIALL®**

**STR. BULK. RECEPTACLE INTERNAL AND  
PANEL SEAL REAR MOUNTING**

**R164.606.000**

Series : QN

**PACKAGING**

| Standard | Unit       | Other      |
|----------|------------|------------|
| 50       | 'W' option | Contact us |

**SPECIFICATION**

**ELECTRICAL CHARACTERISTICS**

|                                 |               |                          |
|---------------------------------|---------------|--------------------------|
| Impedance                       | 50            | $\Omega$                 |
| Frequency                       | 0-6*          | GHz                      |
| VSWR                            | 1.6** + 0.000 | x F(GHz) Maxi            |
| Insertion loss                  | 0.35          | $\sqrt{F}$ (GHz) dB Maxi |
| RF leakage                      | - (***90      | - F(GHz)) dB Maxi        |
| Voltage rating                  | 1000          | Veff Maxi                |
| Dielectric withstanding voltage | 2000          | Veff mini                |
| Insulation resistance           | 5000          | M $\Omega$ mini          |

**ENVIRONMENTAL**

|                       |          |              |
|-----------------------|----------|--------------|
| Operating temperature | -55/+125 | $^{\circ}$ C |
| Hermetic seal         |          | Atm.cm3/s    |
| Panel leakage         | IP68     |              |

**OTHERS CHARACTERISTICS**

Assembly instruction

Others :

\* Usable 0-11GHz

\*\* Coaxial transmission line only

\*\*\*RF Leakage: -80dB min 3<F<6GHz

\*\*\*\* PMI3 : -112 dBm ( 2 x 20W at 1.8GHz )

**MECHANICAL CHARACTERISTICS**

|                            |        |             |
|----------------------------|--------|-------------|
| Center contact retention   |        |             |
| Axial force – Mating end   | 27     | N mini      |
| Axial force – Opposite end | 27     | N mini      |
| Torque                     | 2.8    | N.cm mini   |
| Recommended torque         |        |             |
| Mating                     |        | N.cm        |
| Panel nut                  | 500    | N.cm        |
| Mating life                | 100    | Cycles mini |
| Weight                     | 35.900 | g           |

Issue : 0505 B

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



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