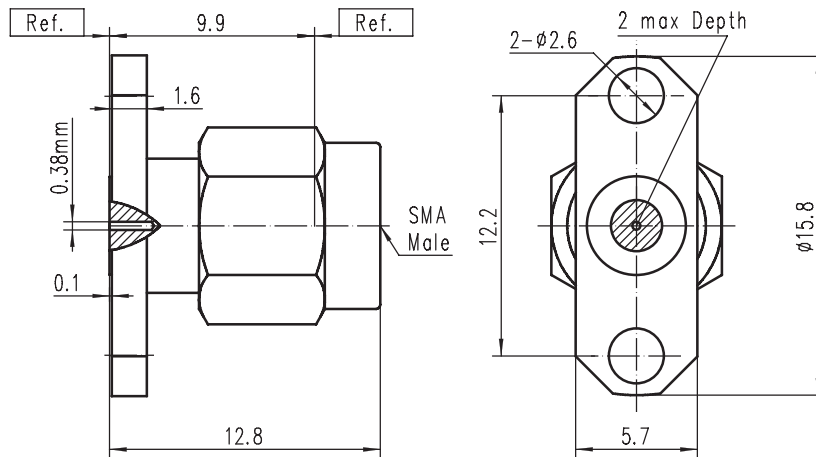


# CONNECTOR SMA Male Panel

## SMA-JFD516AG



Code : 130616

### Electrical data

|                                                |                                            |
|------------------------------------------------|--------------------------------------------|
| Impedance                                      | 50 $\Omega$                                |
| Frequency                                      | DC to 26.5GHz                              |
| VSWR                                           | $\leq 1.15$ , DC to 26.5 GHz               |
| Insertion loss                                 | $\leq 0.04 \times \sqrt{f(\text{GHz})}$ dB |
| Insulation resistance                          | $\geq 5 \times 10^3 \text{ M}\Omega$       |
| Center contact resistance                      | $\leq 3 \text{ m}\Omega$                   |
| Outer contact resistance                       | $\leq 2 \text{ m}\Omega$                   |
| Test voltage                                   | 1000 V rms                                 |
| Working voltage                                | 480 V rms                                  |
| Power handling (at 20 °C, sea level, VSWR 1.0) | $\leq 150 \text{ W @ 2 GHz}$               |
| RF-leakage                                     | $\geq 100 \text{ dB up to 1 GHz}$          |

### Mechanical data

|                        |                      |
|------------------------|----------------------|
| Mating cycles          | min. 500             |
| Coupling nut retention | $\geq 270 \text{ N}$ |
| Coupling test torque   | max. 1.7 Nm          |
| Recommended torque     | 0.8 Nm to 1.1 Nm     |

### Material and plating

| Connector parts | Material        | Plating    |
|-----------------|-----------------|------------|
| Center contact  | Brass           | Gold       |
| Outer contact   | Stainless steel | Passivated |
| Dielectric      | PTFE            |            |
| Gasket          | Silicone        |            |
| Coupling nut    | Stainless steel | Passivated |

### Environmental data

|                     |                                 |
|---------------------|---------------------------------|
| Temperature range   | -65°C to +165°C                 |
| Thermal shock       | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion           | MIL-STD-202, Meth. 101, Cond. B |
| Vibration           | MIL-STD-202, Meth. 204, Cond. D |
| Shock               | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| 2002/95/EC (RoHS)   | compliant                       |

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