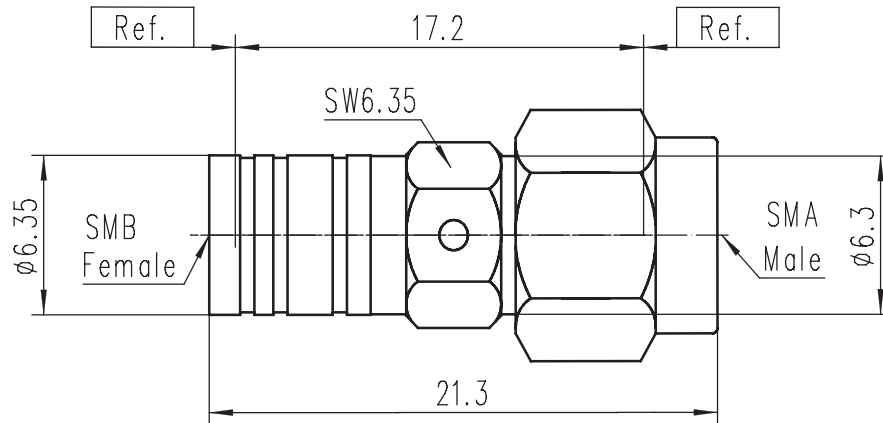


# ADAPTOR SMB Female – SMA Male

## SMA/SMB-JK



Code : 100051

### Electrical data

|                           |  |
|---------------------------|--|
| Impedance                 | 50 $\Omega$                                |
| Frequency                 | DC to 4GHz                                 |
| VSWR                      | $\leq 1.20$ , DC to 4 GHz                  |
| Insertion loss            | $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB |
| Insulation resistance     | $\geq 1 \text{ G}\Omega$                   |
| Center contact resistance | $\leq 5.0 \text{ m}\Omega$                 |
| Outer contact resistance  | $\leq 2.5 \text{ m}\Omega$                 |
| Test voltage              | 750V rms                                   |
| Working voltage           | 250 V rms                                  |
| RF leakage                | $\geq 55 \text{ dB}$ up to 1GHz            |

### Mechanical data

|                                   | SMB side          | SMA side          |
|-----------------------------------|-------------------|-------------------|
| Mating cycles                     | min. 500          | min. 500          |
| Coupling nut retention            | N/A               | $\geq 27\text{N}$ |
| Center contact captivation: axial | $\geq 10\text{N}$ | $\geq 10\text{N}$ |
| Coupling test torque              | N/A               | Max. 1.7 Nm       |
| Recommended torque                | N/A               | 0.8 to 1.1 Nm     |
| Engagement force                  | $\leq 63\text{N}$ | N/A               |
| Disengagement force               | 8N min.; 63N max. | N/A               |

### Material and plating

| Connector parts | Material         | Plating                    |
|-----------------|------------------|----------------------------|
| Center contact  | Beryllium copper | Gold, over chemical nickel |
| Outer contact   | Brass            | Gold, over chemical nickel |
| Coupling nut    | Brass            | Gold, over chemical nickel |
| Dielectric      | PTFE             |                            |

### Environmental data

|                     |                                      |
|---------------------|--------------------------------------|
| Temperature range   | -55°C to +155°C                      |
| Thermal shock       | MIL-STD-202, Method 107, Condition B |
| Corrosion           | MIL-STD-202, Method 101, Condition B |
| Vibration           | MIL-STD-202, Method 204, Condition D |
| Moisture resistance | MIL-STD-202, Method 106              |
| 2002/95/EC (RoHS)   | compliant                            |