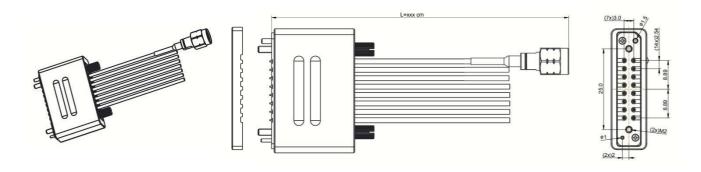
Multi-coaxial Cable Assembly Datasheet



RCM7-SD16-xxxS-6YA



Configuration

| Connector 1 Type | SLC70 male, acc.to Dloorplf internal interface |
|------------------|--|
| Connector 2 Type | 1.85mm Male |
| Connector Body1 | Aluminum Alloy/Anodizing |
| Connector Body2 | Stainless steel (SUS303), Passivation |
| Cable Type | Low Loss Stable Phase |
| Cable Diameter | 1.5mm |

Electrical Characteristics

| Impedance | 50Ω |
|-----------------|---|
| Frequency Range | DC to 67GHz |
| Return Loss | TBD |
| Insertion Loss | ≤0.14dB/cm x Length (cm)+1.6dB, DC to 67GHz |
| Phase Mating | ±2ps |

Mechanical Properties

| Mechanical Life | 100 cycles |
|-----------------|------------|
|-----------------|------------|

Environment Data

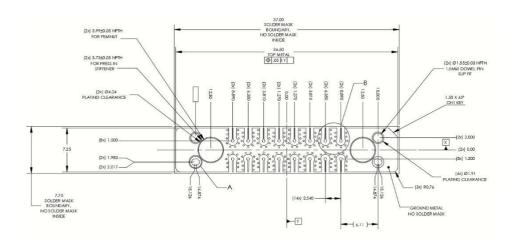
| Working Temperature | -40℃ to +125℃ |
|---------------------|---------------|
|---------------------|---------------|

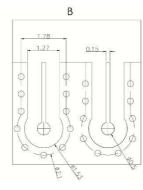
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PCB Layout Dimensions





Notice:

The given layout is not optimized to fit all of the possible board configurations regarding RF-performance, it represents a recommendation for optimum solderability of the connector. In order to guarantee optimum high frequency properties of the connector, an RF-analysis of the connector to board translation is recommended.

Order Information

| P/N | Description |
|--------------------|---|
| RCM7-SD16-015S-6YA | Multi-coaxial Cable Assembly, SLC70(M) breakout to 1.85(M),2x8, DC to |
| | 67GHz, length 15cm |
| RCM7-SD16-030S-6YA | Multi-coaxial Cable Assembly, SLC70(M) breakout to 1.85(M),2x8, DC to |
| | 67GHz, length 30cm |
| RCM7-SD16-xxxS-6YA | Multi-coaxial Cable Assembly, SLC70(M) breakout to 1.85(M),2x8, DC to |
| | 67GHz, length xxx cm |

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