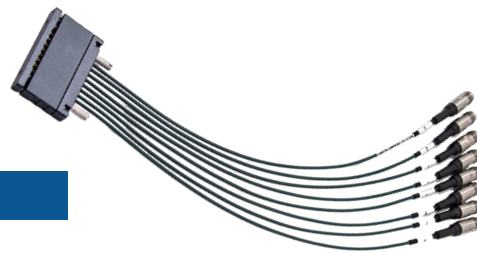


HSM70-XMPM-8X1-0Y-L

High Speed Multi-Coaxial Cable Assemblies DC~70GHz



Configurations

Cable : .047" Low Loss Flexible Cable
End 1 : Coax Contact XMPM
End 2 : Connector 1.85mm Female

Features & Advantages

- Spring-Loaded Contact
- One-Piece Interface for Direct-Attach Mount
- Solder-Free Installation
- High-Density, Space-Saving Design

Application

- Signal Integrity Measurement
- SERDES Development
- Differential Signal Measurement
- Physical Layer Measurement
- Jitter Measurement
- Automated Test Equipment

Mechanical & Environmental

Channels 8 (Single Row)
Pitch 2.54mm
Temperature -55°C~+85°C

Electrical

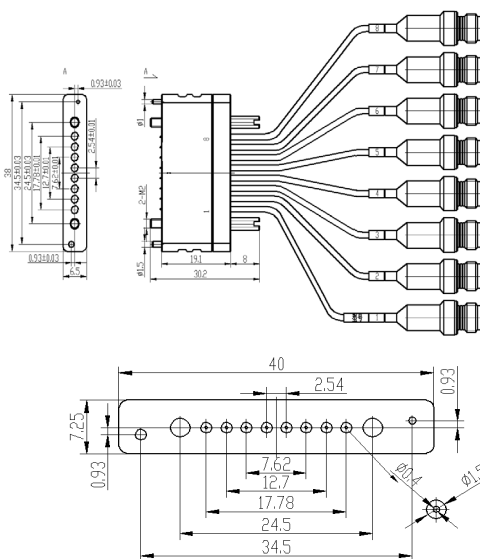
Frequency Range DC-70GHz
Impedance 50Ω
Insertion Loss $<6.31 * L(M) + 0.4 \text{ dB @DC-28GHz}$
 $<11 * L(M) + 0.6 \text{ dB @28-70GHz}$
Return Loss $>16.5 \text{ dB@ DC-28GHz}$
 $>14 \text{ dB@ 28-70GHz}$
Delay Match $\pm 1 \text{ ps}$
Amplitude Imbalance $\pm 0.4 \text{ dB@DC-70GHz}$

Ordering Part Number

HSM70-XMPM-8X1-0Y-L

Length (in meter)
End 2 Connector Code
Channel & Row Number
End 1 Contact Type
Transmission Type Frequency

Outline Drawing



PCB Foot-Print Layout

Sample Test Plots (Length of 0.3m)

