

A black multi-pin connector with a yellow stripe and green cables. The connector has a yellow stripe running along its length, and several green cables are plugged into it. The connector is shown from a side-on perspective, highlighting its profile and the arrangement of the pins.

 Configurations

End 1 : Coax Contact XMPPM

End 2 : Connector 1.85mm Male

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

Channels	8 (Single Row)
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Pitch 3.4mm

Temperature $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Frequency Range	DC-70GHz
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Impedance 50Ω

Insertion Loss $< 11 * L(M) + 0.6 \text{ dB @ DC-70GHz}$

Return Loss >14 dB@ DC-70GHz

Delay Match	± 1 ps
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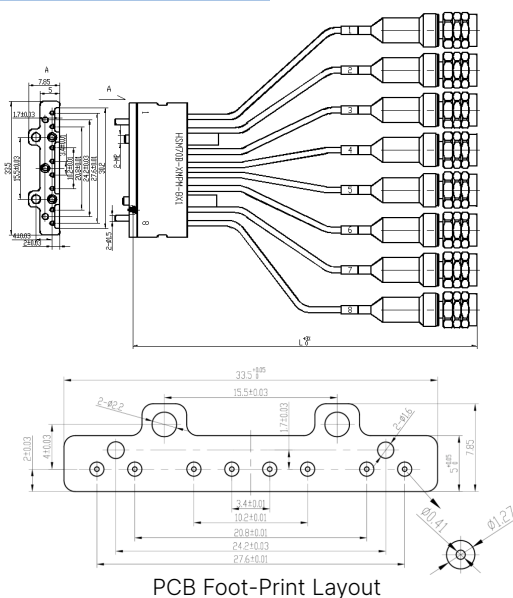
Amplitude Imbalance $\pm 0.4\text{dB@DC-70GHz}$

HSM70B-XMPM-8X1-0P-L

Diagram illustrating the structure of the transmission code (5 bits):

- Bit 1 (Leftmost): Transmission Type Frequency
- Bit 2: End 1 Contact Type
- Bit 3: Channel & Row Number
- Bit 4: End 2 Connector Code
- Bit 5 (Rightmost): Length (in meter)

Outline Drawing



Sample Test Plots (Length of 0.3m)

