



HFM

INTRODUCTION

HFM[®] – The next generation of automotive coax connectors for high data transmissions up to 20 Gbps!

Operating the multitude of devices, screens and cameras in vehicle electronics requires a powerful infrastructure. Rosenberger HFM[®] connectors allow for high-bitrate data transmission while saving installation space and weight.

HFM[®] Advantages

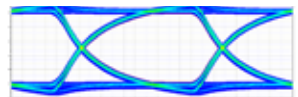
- Lower engaging forces
- Optimal use of installation space
- Optional CPA possibility
- Ergonomic handling
- Electric high-performance interface

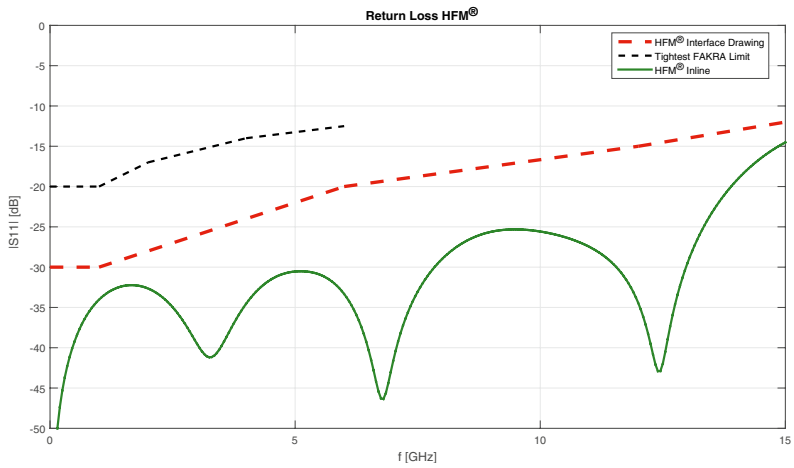
Optimal mechanical properties / robust design

- Mechanical ruggedness of latch
- Optimized for transverse tension
- Coding efficiency
- Impact resistance

Electrically optimized

- 2.5-fold bandwidth -> max. data rate 20 Gbps
















Electric High-Performance

PRODUCT PORTFOLIO

HFM® Connectors

| Connector Type | Rosenberger No. | |
|----------------|-----------------|---|
| PCB Plugs | AMS22A-40MZ5-y* |  |
| | AMS22B-40MZ5-y* |  |
| | AMS22D-40MZ5-y* |  |
| | AMS22E-40MZ5-y* |  |
| Cable Plugs | AMS11A-1xxZ5-y* |  |
| | AMS11B-1xxZ5-y* |  |
| Cable Jacks | AMK12A-1xxZ5-y* |  |
| | AMK12B-1xxZ5-y* |  |
| | AMK12D-1xxZ5-y* |  |
| | AMK12E-1xxZ5-y* |  |
| | AMK20A-1xxZ5-y* |  |

*Please fill in: xx – cable group M4, 02, H1, y - coding



Comparison FAKRA quad – HFM® quad

COMPARISON

Saving up of Installation Space up to 80 %

The small size makes it possible to place different modules on minimum installation space and to save up to 80 % of space compared to the conventional FAKRA generation.

- Comparison FAKRA (12x) – HFM® (3x)



- Modular Design for the Control Device

single double quad quint



- Optimized use of space for Cameras – high data rate 4k

