

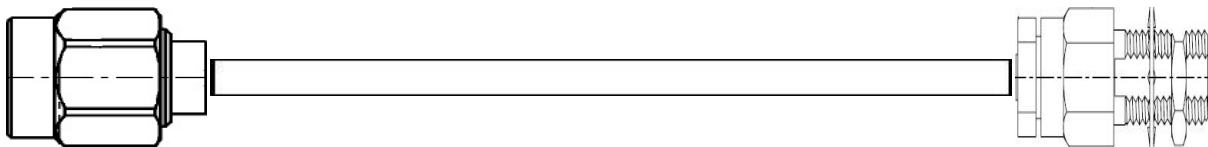
## K086MFB-5.64R

### Connector 1

2.92mm Male Plug 40 GHz

### Connector 2

2.92mm Female Bulkhead Jack 40 GHz



**Length Dimensions** inch/cm  
**Overall end-to-end:** 5.64/14.3256  
**Between Ref. Planes:** 5.46/13.86  
**Less Connectors:** 4.32/10.98  
**C1 Ref. Plane (R/P):** 0.11/0.28  
**C2 Ref. Plane (R/P):** 0.08/0.19

**Cable Type:** 0.086" Semi-Rigid, tin-plated copper, RoHS  
**Jacket:** None  
**Length:** 5.64 inches long overall  
**Phase matching:** N/A  
**Test Data:** N/A  
**Rotation:** N/A

Cable Marker typically placed center cable includes P/N, Serial, and Manufacturer

**These specifications are subject to change without notice.**

**Component images are not to scale.**

### SPECIFICATIONS:

**FREQUENCY RANGE:** DC to 40 GHz

**RETURN LOSS:** >13dB

**INSERTION LOSS (up to above frequency limit):** <1.1 dB/ft @ 18 GHz, <1.4 dB/ft @ 27 GHz, <2.0 dB/ft @ 40 GHz, <2.4 dB/ft @ 67 GHz (typical), +0.3 dB per connector

**CONNECTOR 1:** 2.92mm M, direct solder, straight, Precision Connector Inc. P/N: 3146, or equivalent

**CONNECTOR 2:** 2.92mm F, direct solder, straight, bulkhead, Precision Connector Inc. P/N: 3187, or equivalent

**CABLE TYPE:** Tin-plated copper semi-rigid outer conductor, (magnetic steel wire center conductor), 0.086" (2.2mm) diameter nominal, Micro-Coax P/N: UT-85-TP, or equivalent

**MINIMUM INSIDE BEND RADIUS:** 0.125" (3.2mm) with slotted mandrel special tooling, 0.500" (12.4mm) without special tooling

**SOLDER:** 96.5Sn3.0Ag0.5Cu (SAC305) Pb-free, COMPLIANT WITH EU Directive RoHS 3 (2015/863)

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**CAGE 1WF56**

RF Cable Assembly, 2.92mm M to 2.92mm F BH, 0.086 tin-plated copper semi-rigid, 40 GHz, 5.64-inches long overall, RoHS

**TYPE:** Product Specification

**REVISION:** A **Date :** 05/18/2025

**Item :** K086MFB-5.64R