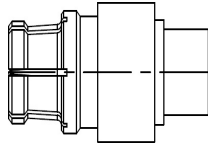


Connector 1

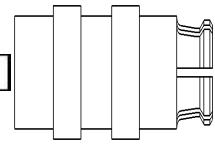
GPPO (SMPM) Female Jack 65 GHz
(047)



GE047FF1J-3-1D

Connector 2

G3PO (SMPS) Female (Slim) Jack
100 GHz (047)



Length Dimensions inch/cm
Overall end-to-end: 3/7.62
Between Ref. Planes: 3.00/7.62
Less Connectors: 2.51/6.38
C1 Ref. Plane (R/P): 0.00/0.00
C2 Ref. Plane (R/P): 0.00/0.00

Cable Type: 0.047" Semi-Rigid, tin-plated copper
Jacket: White Heat Shrink (AMS-DTL-23053/5, Cl. 1 & 3)
Length: 3 inches long overall
Phase matching: Phase Matching <1ps of another
Test Data: Each Cable
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 65 GHZ

RETURN LOSS: Unspecified. Guaranteed operable to above Frequency Range, although tested to no more than our 65 GHz maximum test capability, whichever is less

INSERTION LOSS (up to above frequency limit): <1.7 dB/ft @18 GHz, <2.1 dB/ft @ 27 GHz, <2.6 dB/ft @ 40 GHz, <3.2 dB/ft @67 GHz, <5.0 dB/ft @110 GHz (typical), +0.3 dB per connector

CONNECTOR 1: GPPO/SMPM F, direct solder, straight, genuine Corning Gilbert P/N: B014-B11-01

CONNECTOR 2: G3PO/SMPS F, direct solder, straight, genuine Corning Gilbert P/N: R014-B71-01 (0.080 diameter body)

CABLE TYPE: Tin-plated copper semi-rigid outer conductor, (magnetic steel wire center conductor), 0.047" (1.2mm) diameter nominal, Micro-Coax P/N: UT-047-TP, or equivalent

MINIMUM INSIDE BEND RADIUS: 0.0625" (1.6mm) with slotted mandrel special tooling, 0.125" (3.2mm) without special tooling

SOLDER: SN63 tin/lead (standard), RoHS 5 Compliant

RF COAX INC.

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File No: 0.06/0.14,2.73/6.94,0.06/0.14

CAGE 1WF56

RF Cable Assembly, GPPO F to G3PO F (slim), 0.047 tin-plated copper semi-rigid, 65 GHz, jacket, phase matched <1ps of another, 3-inches long overall, data

TYPE: Product Specification

REVISION: A **Date :** 04/28/2025

Item : GE047FF1J-3-1D