

COAXIAL CABLE ASSEMBLY

CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CABLE 333 RF: I-PEX MHF I LK PLUG + RP SMA STRAIGHT BULKHEAD JACK + MULTIPLE CABLE SIZES

SPECIFICATIONS :

1. I-PEX MHF I LK PLUG, P/N:
FOR Ø1.13MM CABLE: 20670-001R-13 + 3376-000.
FOR Ø1.37MM CABLE: 20670-001R-37 + 3376-000.

2. COAXIAL CABLE, SEE P/N OPTIONS.

3. RP SMA STRAIGHT BULKHEAD JACK, P/N: RFCT-SMA018-F08.

NOTES:

1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.

2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 25MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)

3. CONTACT GCT IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.

4. WORKING FREQUENCY RANGE: DC-3GHz.

5. OPERATING TEMPERATURE: -40°C TO +85°C.

6. IMPEDANCE: 50 OHM.

USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:

(i) HANDLE WITH CARE.

(ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.

(iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.

1

2

3

HEATSHRINK TUBE

14.8

WASHER

NUT

Ø10.2

HEX8.0

1.7

0.5

P/N: 3376-000

3.7 Ref.

IPEX MHF I LK PLUG

P/N: SEE SPECIFICATION

TOP VIEW

Ø9.50 min.

The center of the diameter matches the center of receptacle.

A

HOW TO ORDER

CABLE 333 RF - XXX - XX - X - X

"L" LENGTH IN MM:
eg: 100MM = 100
(MIN. 025-MAX.400
STANDARD = 100, 150, 200)
Tolerance: 50-200mm: ±5mm.
201-400mm: ±7mm.

CABLE SIZE OPTIONS:
1 = Ø1.13MM CABLE, COLOR: GRAY
2 = Ø1.37MM CABLE, COLOR: BLACK

WASHER AND NUT OPTIONS:
BLANK = SEPARATELY PACKED (STANDARD)
A = ALL ASSEMBLED WITH CONNECTOR

ORIENTATION OPTIONS:
BLANK = DOES NOT HAVE A FIXED ORIENTATION
F1 = MHF CONNECTION DOWN (L=25-200MM)
F2 = MHF CONNECTION UP (L=25-200MM)
(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)

'F1' ORIENTATION

Flat

'F2' ORIENTATION

Flat

SMA DETAIL DRAWING

1/4-36UNS-2A

3.4

11.4

FLAT 5.85

22.0

RECOMMENDED SMA MOUNTING HOLE

6.0±0.1

Ø6.5±0.1

REV. DATE & DRN

10. 10/07/19 - NYW RELEASE

11. 28/03/19 - NYW DESCRIPTION

12. 20/07/20 - NYW ADD LK CABLE OPTION

13. 27/07/20 - NYW ADD NOTES 5 & 6

14. 29/09/20 - NYW AHEND OPERATING TEMP.

15. 03/12/20 - NYW ADD MHF LK PROHIBITED AREA

16. 16/02/25 - KY UPDATE MHF LK P/N'S

Add GCT Logo.

Scale: NTS

Drawn: KY

App'd: XXX

Date: 16 FEB. '25

THIRD ANGLE

Unstated
.X
.XX
.XXX
ANGLES

Tolerances:
N/A
N/A
N/A

Title CABLE ASSEMBLY

Revision: 1.6

Material
SEE NOTE

NOT TO SCALE

Unit: mm

GCT

www.gct.co

GRADConn

www.gradconn.com

THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE COPIED OR DISCLOSED WITHOUT WRITTEN CONSENT

Type: Cable 333 RF

CABLE 333 RF

Drawing Number:

Sheet 1 of 1

Drawing © E and O E