

(4,00mm) .1575"

IJ5H SERIES

IJ5H-02-0600-S-2-02SP2

IJ5H-08-0300-S-2-03SP2

# 50Ω HYBRID RF CABLE ASSEMBLY

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?IJ5H](http://www.samtec.com?IJ5H)

### Insulator Material:

Black LCP

### Contact Material:

Copper Alloy

### Pin Material:

Copper Alloy

### Dielectric Material:

Black LCP

### Plating:

Au over 50μ" (1,27μm) Ni

### Operating Temp Range:

-40°C to +90°C

### RoHS Compliant:

Yes

### Cable (-2):

#### Conductor Size:

26 AWG,

(0,51mm) .020" dia.

#### Conductor Material:

Silver and Copper

Plated Steel Wire

#### Insulator Diameter:

(1,52mm) .060"

#### Insulator Material:

PTFE

#### Shield Material:

Silver Plated Copper Wire

#### Jacket Material:

FEP

#### Jacket Diameter:

(2,54mm) .100"

#### Impedance:

50Ω

#### Current Rating:

5A DC

#### RoHS Compliant:

Yes

**Mates with:**  
IP5, SMA, MCX, MMCX,  
SMB5

Low cost isolated  
transmission line  
system

RG 316 Cable

1, 2, 4, 6 or 8  
Positions

Positive  
latching

Choice of traditional  
RF end options



IJ5H	NO. OF POSITIONS	ASSEMBLED LENGTH	END 1 PLATING	CABLE TYPE	END 2 OPTION
	-01, -02, -04, -06, -08	- "XXXX" = Assembled Length in millimeters -0300 to -1000 (1000mm) 39.40" maximum	-S = 30μ" (0,76μm) Gold on contact	-2 = RG 316 cable	<div> All Gold  <b>-01SP1</b> = SMA Straight Plug  <b>-02SP1</b> = MCX Straight Plug  <b>-03SP1</b> = MMCX Straight Plug  <b>-07SP1</b> = SMB Straight Plug </div> <div> Gold/Nickel combination  <b>-02SP2</b> = MCX Straight Plug  <b>-03SP2</b> = MMCX Straight Plug  <b>-07SP2</b> = SMB Straight Plug </div>

  

NO. OF POSITIONS	A
-01	(20,87) .822
-02	(24,87) .979
-04	(32,87) 1.294
-06	(40,87) 1.609
-08	(48,87) 1.924

  

**Note:**  
This Series is non-standard,  
non-returnable.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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