

**F Type Connector Straight Male Compression Cable Type 3C2V - RHT-611-0039**



**Drawing**

1	2	3	4	5	6																									
				Product NO. Renhotec-611-0039																										
				REV	DESCRIPTION	DWN	DATE	APPROVEN																						
<p><b>SPECIFICATIONS:</b>                  Impedance: 75 Ohms                  Frequency Range: DC~3G                  VSWR: 30dB Return loss @ 1GHZ                  Working Voltage: 15 watts continuous                  Insulation Resistance: 5000 Ohms min                  Temperature Range: -40°C TO +60°C                  Drawings products are in line with ROHS standards</p>				A First issue Mr. chen 2016/3/18 John kine																										
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>1</td> <td>Shell</td> <td>Brass</td> <td>NI:80-120u"</td> <td rowspan="5" style="vertical-align: top;">                 NOTE:                  DRAWN 2016/03/18 Zelin. Zhang                  CHECKED                  APPROVALS John Kine 18/03.2016             </td> <td rowspan="5" style="vertical-align: top;">                 Tolerance                  0-6 ±0.10                  6-30 ±0.20                  30-120 ±0.30                  Angular ±2°             </td> <td rowspan="5" style="text-align: center;"> </td> <td rowspan="5" style="text-align: center;"> <b>RENHOTEK</b> www.renhotec.com             </td> <td rowspan="5" style="text-align: center;"> <b>RENHOTEK GROUP</b> </td> </tr> <tr> <td>2</td> <td>Body</td> <td>Brass</td> <td>NI:80-120u"</td> </tr> <tr> <td>3</td> <td>Contact pin</td> <td>Brass</td> <td>NI:80-120u"</td> </tr> <tr> <td>4</td> <td>Insulation</td> <td>Pom</td> <td>None</td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> </table>				1	Shell	Brass	NI:80-120u"	NOTE: DRAWN 2016/03/18 Zelin. Zhang CHECKED APPROVALS John Kine 18/03.2016	Tolerance 0-6 ±0.10 6-30 ±0.20 30-120 ±0.30 Angular ±2°		<b>RENHOTEK</b> www.renhotec.com	<b>RENHOTEK GROUP</b>	2	Body	Brass	NI:80-120u"	3	Contact pin	Brass	NI:80-120u"	4	Insulation	Pom	None	5				Name: F Plug Stright For 3C2V SIZE A Product NO. RENHOTEK-611-0039	
1	Shell	Brass	NI:80-120u"	NOTE: DRAWN 2016/03/18 Zelin. Zhang CHECKED APPROVALS John Kine 18/03.2016	Tolerance 0-6 ±0.10 6-30 ±0.20 30-120 ±0.30 Angular ±2°		<b>RENHOTEK</b> www.renhotec.com						<b>RENHOTEK GROUP</b>																	
2	Body	Brass	NI:80-120u"																											
3	Contact pin	Brass	NI:80-120u"																											
4	Insulation	Pom	None																											
5																														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>NO</td> <td>Component Number</td> <td>Material</td> <td>Finish</td> <td>APPROVALS</td> <td>SCALE</td> <td>UNIT</td> <td>DATE</td> <td>CAD FILE</td> <td>REV</td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td>John Kine</td> <td>1:1</td> <td>MM</td> <td>2016/3/18</td> <td>D/company drawings/BD</td> <td>A</td> </tr> </table>				NO	Component Number	Material	Finish	APPROVALS	SCALE	UNIT	DATE	CAD FILE	REV	1				John Kine	1:1	MM	2016/3/18	D/company drawings/BD	A	SHEET: 1 OF 1						
NO	Component Number	Material	Finish	APPROVALS	SCALE	UNIT	DATE	CAD FILE	REV																					
1				John Kine	1:1	MM	2016/3/18	D/company drawings/BD	A																					

**Basic Information**

Connector Type	Plug
Fastening Type	3/8-32 Threaded
Mounting Type	Cable Mount
Orientation	Straight
RF Series	F Type

**Mechanical Specification**

Contact Retention	20 in-lbs min.
Contact Termination Style	Solder
Mating Durability	≥ 500 Cycles

**Environmental Specification**

Temperature Range	-40°C to +140°C
-------------------	-----------------

**Material Specification**

Shield Termination	Compression
--------------------	-------------

**Material and Finish**

Component Description	Material	Finish
Shell	Copper Alloy	Nickel Plated
Insulator	POM	
Center Contact	Brass	Nickel Plated

**Impedance Testing**

Impedance	75 ohm
-----------	--------

**Frequency & VSWR Test Report**

Frequency Range	DC-1GHz
VSWR	R/A type ≤ 1.3MAX, Straight type ≤ 1.2 MAX



**Contact Resistance Test**

Contact Type	Male Pin
Center Contact Resistance	≅ 10 MΩ (Milliohms Max.)
Outer Contact Resistance	≅ 5 MΩ (Milliohms Max.)



### Working Voltage & Insulation Resistance Test

Insulation Resistance	≥1000MΩ
-----------------------	---------



### Version History

REV	Date	Revise Contents	Drafter	Approver
A.0	2026.4.13	The initial formulation	Esther	Joson

### Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.