

## 2.40 mm TO 50 GHz

### 2.40 mm Cable Assemblies

RF047-A, RF085, RF086, RF23C



#### VSWR

**RF047-A:** 1.35 max.  
**RF086:** 1.40 max.  
**RF085:** 1.40 max.  
**RF23C:** 1.40 max.

SERIES	END 1 CONNECTOR	END 2 CONNECTOR	OVERALL LENGTH
<b>RF047-A</b> = (1.2 mm) .047" overshield DIA 29 AWG millimeter wave cable <b>RF086</b> = (2.18 mm) .086" overshield DIA 23 AWG millimeter wave cable <b>RF085</b> = (2.16 mm) .085" overshield DIA 24 AWG millimeter wave cable <b>RF23C</b> = MWC-2350CU-01 millimeter wave cable with copper foil shield	<b>-24SJ</b> = 2.40 mm Straight Jack <b>-24SP</b> = 2.40 mm Straight Plug	<b>ALSO AVAILABLE</b> 1.00 mm, 1.35 mm, 1.85 mm, 2.92 mm, SMPM, SMP, SMA = RF047-A 1.85 mm, 2.92 mm, SMPM, SMP, SMA = RF086 2.92 mm = RF085 2.92 mm, SMPM, SMP, SMA = RF23C	<b>-“XXXX”</b> = Overall Length in millimeters -0100 (100 mm) 3.94" minimum (RF047-A, RF085, RF086) -0152 (152 mm) 5.984" minimum (RF23C)

### 2.40 mm Board Connectors

**Cable Mates:**  
 RF047-A, RF086, RF085, RF23C



240	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION	OPTION	PACKAGING
	<b>-J</b> = Jack	<b>-P</b> = PCB Mount	<b>-EP</b> = 50 μ" (1.27 μm) Gold center contact, Passivated outer contact	<b>-ST</b> = Straight	<b>-CM</b> = Compression Mount Stripline <b>-CMM</b> = Compression Mount Microstrip <b>-EL</b> = Edge Launch	<b>-1</b> = Without Screws (-CM & -CMM only) <b>-2</b> = With Screws (-CM & -CMM only) <b>-01</b> = .040" to .100" PCB thickness (-EL only)	Leave blank for tray packaging <b>-B</b> = Individually bagged

### 2.40 mm Cable Connectors

PRF24



CONNECTORS FOR INDUSTRY STANDARD CABLES		
PRF24-J-C-EP-085-SS		Harbour SS405
PRF24-J-C-EP-405-BS		RG 405
PRF24-P-C-EE-085-SS		Harbour SS405
PRF24-P-C-EP-120A-SS		Semflex HP120
PRF24-J-C-EP-160-SS		Semflex HP160
PRF24-P-C-EP-160-SS		Semflex HP160
PRF24-J-C-EP-140B-SS		IW 1401
PRF24-P-C-EP-140B-SS		IW 1401
PRF24-J-C-EP-150B-SS		IW 1501
PRF24-J-C-EP-150-SS		Dynawave DF150
PRR24-J-C-EP-086-SS		Temp-Flex 1001935086
PRF24-P-C-EP-086-SS		Temp-Flex 1001935086

For a complete list of 2.40 mm cable connectors, visit [www.samtec.com?PRF24](http://www.samtec.com?PRF24)

- P-C = Cable Plug
- J-C = Cable Jack
- EE = Plating (50 μ" gold center contact & outer contact)
- EP = Plating (50 μ" gold center contact, passivated outer contact)
- SS = Straight, Solder Clamp
- SD = Straight, Direct Solder
- BS = Bulkhead, Solder Clamp

#### INTERFACE STANDARD

