

## 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

##### RF047-A

= (1.2 mm) .047" overshield DIA 29 AWG millimeter wave cable

##### RF086

= (2.18 mm) .086" overshield DIA 23 AWG millimeter wave cable

##### RF085

= (2.16 mm) .085" overshield DIA 24 AWG millimeter wave cable

##### RF23C

= MWC-2350CU-01 millimeter wave cable with copper foil shield

#### END 1 CONNECTOR

##### -24SJ

= 2.40 mm Straight Jack

##### -24SP

= 2.40 mm Straight Plug

#### END 2 CONNECTOR

#### OVERALL LENGTH

##### -“XXXX”

= Overall Length in millimeters

-0100 (100 mm)  
 3.94" minimum  
 (RF047-A, RF085, RF086)

-0152 (152 mm)  
 5.984" minimum  
 (RF23C)

#### ALSO AVAILABLE

1.00 mm, 1.35 mm, 1.85 mm,  
 2.92 mm, SMPM = RF047-A

1.85 mm, 2.92 mm, SMPM, SMA = RF086

2.92 mm = RF085

2.92 mm, SMPM, SMA = RF23C

### 2.40 mm Board Connectors

240

#### Cable Mates:

RF047-A, RF086, RF085, RF23C



#### 240

#### GENDER

**-J**  
 = Jack

#### TYPE

**-P**  
 = PCB Mount

#### PLATING

**-EP**  
 = 50 μ"  
 (1.27 μm)  
 Gold center contact,  
 Passivated outer contact

#### ORIENTATION

**-ST**  
 = Straight

#### TERMINATION

**-CM**  
 = Compression Mount Stripline

**-CMM**  
 = Compression Mount Microstrip

**-EL**  
 = Edge Launch

#### OPTION

**-1**  
 = Without Screws  
 (-CM &  
 -CMM only)

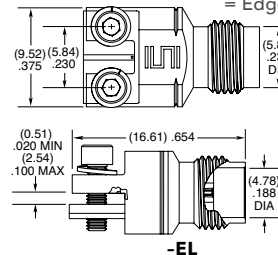
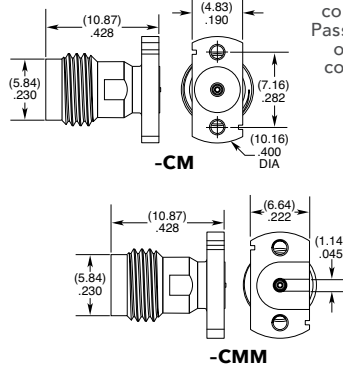
**-2**  
 = With Screws  
 (-CM &  
 -CMM only)

**-01**  
 = .040" to  
 .100" PCB  
 thickness  
 (-EL only)

#### PACKAGING

Leave blank for tray packaging

**-B**  
 = Individually bagged  
 (100 max.)



### 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

