

## 2.92 mm TO 40 GHz

### 2.92 mm Cable Assemblies

RF047-A, RF086,  
RF085, 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>-92SJ</b> = 2.92 mm Straight Jack  <b>-92SP</b> = 2.92 mm Straight Plug	<b>ALSO AVAILABLE</b>  1.00 mm, 1.35 mm, 1.85 mm, 2.40 mm, SMPM = RF047-A  1.85 mm, 2.40 mm, SMPM, SMA = RF086  2.40 mm = RF085  2.40 mm, SMPM, 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)

### 2.92 mm Board Connectors

292

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



292	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 individually bagged.  <b>-B</b> = Bulk packaged (100 max.)

### 2.92 mm Cable Connectors

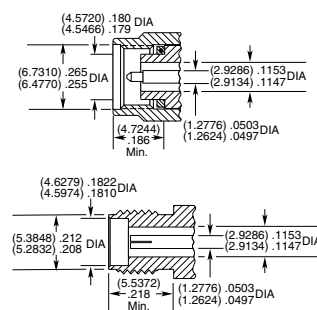
PRF92



CONNECTORS FOR INDUSTRY STANDARD CABLES	
PRF92-P-C-EE-405-SD	RG 405 Semi-Rigid
PRF92-P-C-EE-085A-SD	.085 Semi-Rigid
PRF92-P-C-EP-160-SS	Semflex HP160
PRF92-P-C-EP-150B-SS	IW 1501
PRF92-P-C-EP-142-SS	Harbour LL142
PRF92-J-C-EP-085-SS	Harbour SS405
PRF92-J-C-EP-085-BS	Harbour SS405
PRF92-P-C-EP-085-SS	Harbour SS405
PRF92-P-C-EE-402-SD	RG 402
PRF92-P-C-EP-190-SS	Semflex HP190
PRF92-J-C-EP-160-SS	Semflex HP160
PRF92-P-C-EP-120A-SS	Semflex HP120
PRF92-P-C-EP-140-SS	Dynawave DF140
PRF92-P-C-EP-047D-SS	.047 Semi-Rigid
PRF92-J-C-EP-047D-SS	.047 Semi-Rigid
PRF92-P-C-EP-150-SS	Dynawave DF150
PRF92-P-C-EE-118-SD	Haverhill HC35004
PRF92-J-C-EP-402-SS	RG 402
PRF92-J-C-EP-047D-4S	.047 Semi-Rigid
PRF92-P-C-EP-086-SS	Temp-Flex 1001935086
PRF92-P-C-EP-200-SS	Times Max Gain 200

For a complete list of 2.92 mm cable connectors, visit [www.samtec.com/PRF92](http://www.samtec.com/PRF92)

#### INTERFACE STANDARD



P-C = Cable Plug  
J-P = 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