2.40 mm Cable Assemblies
RF047-A, RF085, RF086, RF23C

SERIES	–	END 1 CONNECTOR	–	END 2 CONNECTOR	–	OVERALL LENGTH

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

–24SJ
= 2.40 mm Straight Jack

–24SP
= 2.40 mm Straight Plug

ALSO AVAILABLE

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

1.85 mm, 2.92 mm, SMPM = RF086

2.92 mm = RF085

2.92 mm, SMPM = RF23C

–"XXXX"
= Overall Length in millimeters

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

–0152 (0152 mm)
5.984" minimum
(RF23C)

VSWR

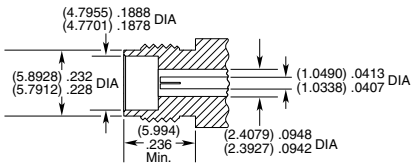
RF047-A: 1.35 max.
RF086: 1.40 max.
RF085: 1.40 max.
RF23C: 1.40 max.

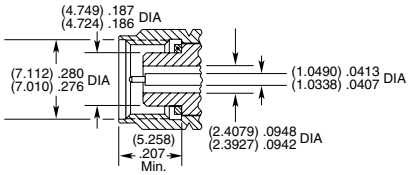
2.40 mm Cable Connectors
PRF24

CONNECTORS FOR INDUSTRY STANDARD CABLES	
PRF24-J-C-EP-085-SS	Harbour SS405, flexible alternative to RG 405
PRF24-J-C-EP-405-BS	RG 405, .085, semi-rigid
PRF24-P-C-EE-085-SD	Harbour SS405, flexible alternative to RG 405
PRF24-P-C-EP-120A-SS	Semflex HP120, low loss flexible
PRF24-J-C-EP-160-SS	Semflex HP160, low loss flexible
PRF24-P-C-EP-160-SS	Semflex HP160, low loss flexible
PRF24-J-C-EP-140B-SS	IW 1401, low loss flexible
PRF24-P-C-EP-140B -SS	IW 1401, low loss flexible
PRF24-J-C-EP-150B-SS	IW 1501, low loss flexible
PRF24-J-C-EP-150-SS	Dynawave DF150, low loss flexible
PRR24-J-C-EP-086-SS	.086 Temp-flex, low loss flexible
PRF24-P-C-EP-086-SS	.086 Temp-flex, low loss flexible

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





2.40 mm Board Connectors
240

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

240	–	GENDER	–	TYPE	–	PLATING	–	ORIENTATION	–	TERMINATION	–	OPTION	–	PACKAGING

–J
= Jack

–P
= PCB Mount

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

–ST
= Straight

–CM
= Compression Mount Stripline

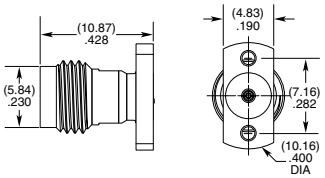
–CMM
= Compression Mount Microstrip

–1
= without Screws

–2
= With Screws

Leave blank for tray packaging

–K
= Individually bagged



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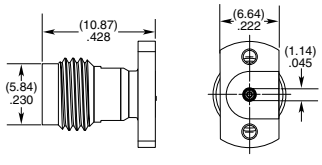

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Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.