SMPM TO 65 GHz

SMPM Cable Assemblies
RF047-A, RF086, RF23C



VSWR

RF047-A: 1.40 max.
RF086: 1.40 max.
RF23C:
1.20 max. (DC to 26.5 GHz)
1.40 max. (26.5 GHz to 50 GHz)

SERIES	END 1 CONNECTOR	END 2 CONNECTOR	OVERALL LENGTH

RF047-A
= (1.2 mm) .047" overshield DIA
29 AWG millimeter cable

RF086
= (2.18 mm) .086" overshield DIA
23 AWG millimeter cable

RF23C
= MWC-2350CU-01 millimeter wave cable with copper foil shield

–M0SP
= SMPM Straight Plug, Full Detent

–M0SJ
= SMPM Straight Jack

–M0RJ
= SMPM Right-angle Jack
(RF047-A only)

–M0BJ
= SMPM Straight Bulkhead Jack
(RF047-A only)

–"XXXX"
= Overall Length in millimeters

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

–0152 (152 mm)
5.984" minimum
(RF23C)

ALSO AVAILABLE

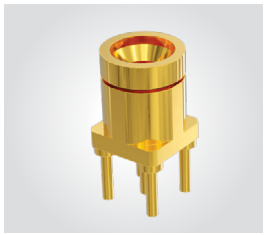
1.00 mm, 1.35 mm, 1.85 mm, 2.40 mm, 2.92 mm, SMP, SMA = RF047-A

1.85 mm, 2.40 mm, 2.92 mm, SMP, SMA = RF086

2.40 mm, 2.92 mm, SMP, SMA = RF23C

SMPM Board Connectors
SMPM-SM, SMPM-TH, SMPM-RA, SMPM-MT, SMPM-EM

Cable Mates:
RF047-A, RF086, RF23C



SMPM	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION	OPTION

–PF
= Full Detent

–PS
= Smooth Bore

–PC
= Catcher's Mitt
(–ST–TH,
–ST–MT &
–ST–SM only)

–P
= PCB Mount

–HG
= 30 µ" (0.76 µm) Gold center contact, 10 µ" (0.25 µm) Gold outer contact
(–ST only)

–HF
= 30 µ" (0.76 µm) Gold center contact, 3 µ" (0.08 µm) Gold outer contact
(–RA only)

–EG
= 50 µ" (1.27 µm) Gold center contact and outer body
(–MT & –SM only)

–EE
= 50 µ" (1.27 µm) extra heavy Gold center contact and outer body
(SM-2 only)

–ST
= Straight

–RA
= Right-angle
(–TH required)

–EM
= Drop-in Edge Mount
(–ST only)

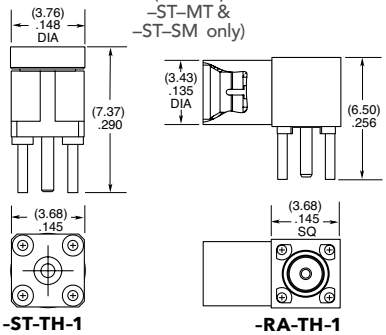
–TH
= Through-hole

–SM
= Surface Mount
(–ST only)

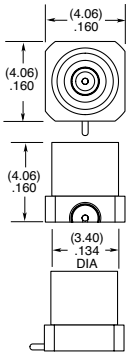
–MT
= Mixed Technology
(–ST only)

–1
= Standard

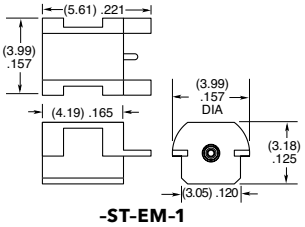
-2
= Reverse Mount
(–EE and –SM only; see website for print)



-ST-TH-1 -RA-TH-1



-ST-SM-1



-ST-EM-1

SMPM Cable Connectors
PRFM0

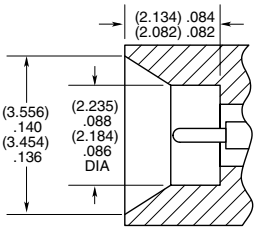


CONNECTORS FOR INDUSTRY STANDARD CABLES	
PRFM0-J-C-EE-085-BD	Harbour SS405
PRFM0-J-C-EE-047A-BD	Temp-Flex 1000671047
PRFM0-J-C-HG-047A-SD	Temp-Flex 1000671047
PRFM0-J-C-EE-047A-RD	Temp-Flex 1000671047
PRFM0-P-C-HG-047A-SD	Temp-Flex 1000671047
PRFM0-J-C-EE-047B-SD	Temp-Flex 1001935047
PRFM0-J-C-EE-086-SD	Temp-Flex 1001935086
PRFM0-P-C-EE-086-SD	Temp-Flex 1001935086

For a complete list of SMPM cable connectors, visit www.samtec.com?PRFM0

P-C = Cable Plug
J-C = Cable Jack
EE = Plating
(50 µ" Gold center contact, & outer contact)
HG = Plating
(30 µ" Gold center contact, 10 µ" Gold outer contact)
SD = Straight, Direct Solder
BD = Bulkhead, Direct Solder
RD = Right-angle, Direct Solder

INTERFACE STANDARD (CATCHER'S MITT)



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.