

SMA TO 18 GHz

SMA Cable Assemblies

RF25S, RF402, RF405, RF180, RF280



VSWR

RF25S: 1.60 max.
RF402: 1.50 max.
RF405: 1.35 max.
RF180: 1.35 max.
RF280: 1.35 max.

Additional connector options available.
Contact RFGroup@samtec.com

SERIES	END 1 CONNECTOR	END 2 CONNECTOR	OVERALL LENGTH
RF25S = MWC-2550-01 microwave cable with 25 AWG solid FEP dielectric RF402 = RG 402 (.141") 19 AWG semi-flexible microwave cable RF405 = RG 405 (.086") 24 AWG semi-flexible microwave cable RF180 = (4.52 mm) .178" overshield DIA, 16 AWG microwave cable RF280 = (7 mm) .277" overshield DIA, 11 AWG microwave cable	-01SP1* = SMA Straight Plug -01RP1* = SMA Right-angle Plug (RF25S not available) -01BJ1* = SMA Bulkhead Jack (RF402 & RF405 not available)	-"XXXX" = Overall Length in millimeters -0100 (100 mm) 3.94" minimum	

*Remove last "1" from end connector when specifying RF180 & RF280.

ALSO AVAILABLE

SMP = RF25S, RF405

TNCA, N Type = RF180

TNCA, N Type = RF280

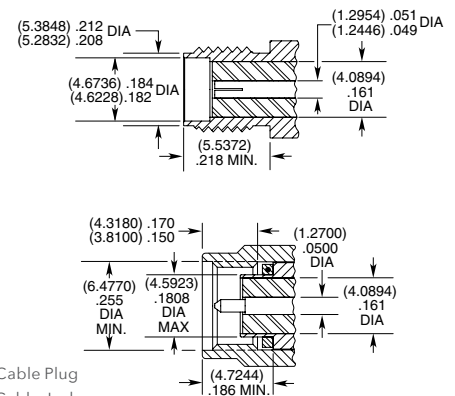
SMA Cable Connectors

PRF01



CONNECTORS FOR INDUSTRY STANDARD CABLES	
PRF01-P-C-EP-120B-SS	IW 1201, low loss flexible
PRF01-P-C-EP-120-SS	Harbour LL120, low loss flexible
PRF01-P-C-EP-142-SS	Harbour LL142, low loss flexible
PRF01-P-C-EP-190-SS	Semflex HP190, low loss flexible
PRF01-P-C-EP-335-SS	Harbour LL335, low loss flexible
PRF01-P-C-EP-290-SS	Semflex LA290, low loss flexible
PRF01-P-C-EP-142A-SS	Harbour SB142, low loss flexible
PRF01-P-C-EP-142-RS	Harbour LL142, low loss flexible
PRF01-P-C-EP-190-RS	Semflex HP190, low loss flexible
PRF01-J-C-EP-142-SS	Harbour LL142, low loss flexible
PRF01-P-C-EP-141A-SS	Harbour SS402, flexible alternative to RG 402
PRF01-P-C-EP-160-RS	Semflex HP160, low loss flexible
PRF01-P-C-EP-305-SS	Semflex HP305, low loss flexible
PRF01-P-C-EP-335A-SS	Harbour LL335i, low loss flexible
PRF01-P-C-EE-402-SD	RG 402, .141, semi-rigid
PRF01-P-C-EP-150-SS	Dynawave DF150, low loss flexible
PRF01-J-C-EE-405-SD	RG 405, .085, semi-rigid
PRF01-P-C-EE-047D-SD	.047, semi-rigid
PRF01-J-C-EE-047D-4D	.047, semi-rigid
PRF01-J-C-EE-047D-SD	.047, semi-rigid
PRF01-P-C-EP-160-SS	Semflex HP160, low loss flexible
PRF01-P-C-EE-405-SD	RG 405, .085, semi-rigid
PRF01-P-C-EP-200-SS	Times Max Gain 200, low loss flexible

INTERFACE STANDARD



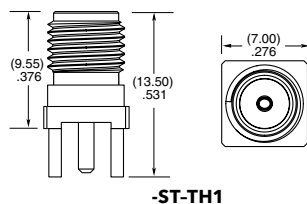
SMA Board Connectors

SMA-TH, SMA-SM, SMA-MT, SMA-EM

Cable Mates:
RF25S, RF402, RF405, RF180, RF280



SMA	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	-J = Jack	-P = PCB Mount	-H = 30 μ" (0.76 μm) Gold center contact, 3 μ" (0.08 μm) Gold outer contact -GF = 10 μ" (0.25 μm) Gold center contact, 3 μ" (0.08 μm) Gold outer contact (-SM1 only)	-ST = Straight -RA = Right-angle	-TH1 = Through-hole -SM1 = Surface Mount (-GF-RA only) -EM1 = Edge Mount (-ST only) -EM3 = Drop-in Edge Mount (-ST only) -MT1 = Mixed Technology (-ST only)



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[SMA-J-P-H-RA-TH1](#) [SMA-J-P-H-ST-TH1](#) [SMA-J-P-H-ST-EM1](#) [SMA-J-P-H-ST-PN4](#) [SMA-J-P-GF-RA-SM1](#) [SMA-J-P-H-ST-EM3](#) [SMA-J-P-H-ST-PN2](#) [SMA-J-P-H-ST-MT1](#) [SMA-P-C-H-RA-CA1](#) [SMA-P-C-H-ST-CA1](#) [SMA-P-C-HF-ST-CA1S](#) [SMA-P-C-HF-ST-CA9](#) [SMA-P-C-HF-RA-CA7](#) [SMA-P-C-HF-ST-CA7](#) [SMA-P-C-HF-RA-CA9](#) [SMA-P-C-H-ST-C10](#) [SMA-J-C-H-ST-BH1](#) [SMA-J-C-H-ST-BH2](#) [SMA-J-C-H-ST-BH4](#) [SMA-P-C-H-ST-CA5](#) [SMA-J-C-H-ST-BR1](#) [SMA-P-P-H-ST-TH1](#) [SMA-J-C-H-ST-BH3](#) [SMA-J-C-H-ST-BH5](#) [SMA-J-C4-H-ST-PN1](#) [SMA-J-C-H-ST-SB3](#) [SMA-J-C4-GF-ST-PN1](#) [SMA-J-C-H-ST-S10](#) [SMA-J-C-GF-ST-S10](#) [SMA-J-C-H-ST-SB1](#)