

Precision Coax RF Adapter

Quick Reference Guide



Introduction

RF ONE offers a huge selection of high precision RF/Microwave and mmWave adapters from stock, including SMA, SSMA, SMP, BNC, Type-N, TNCA, 3.5mm, 2.92mm(K type), 2.4mm,1.85mm(V type), 1.0mm etc, in-series and between-series, available in flange, bulkhead types, right angle and straight body styles.

These adapters can be widely used in general purpose or precision test & measurement, allowing connection between series of connectors.

Features

- Up to 110GHz,covering BNC,TNCA,N type, SMA, SSMA, SMP, SSMP, 3.5mm,2.92mm,2.4mm, 1.85mm, 1mm, in and between series
- Built with ruggedized stainless steel body, 50 micro-inch gold plated center contacts
- Straight and right angle styles, bulkhead and 4 hole flange mounting methods
- Competitive price, no MOQ
- Less than 1 week lead time



High Precision P Series DC-8GHz till 110GHz

RF ONE has broken up these P series adapters into nine frequency ranges: DC-110GHz, DC-65GHz, DC-50GHz, DC-40GHz, DC-33GHz, DC-27GHz, DC-18GHz, DC-11GHz, DC-8GHz.

DC-8GHz, BNC to BNC/SMA/N (P Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A0801P	BNC Male	N Male	Straight	None	8	1.15
A0802P	BNC Male	N Female	Straight	None	8	1.15
A0803P	BNC Female	N Female	Straight	None	8	1.15
A0804P	BNC Female	N Male	Straight	None	8	1.15
A0805P	BNC Female	BNC Female	Straight	None	8	1.15
A0806P	BNC Female	BNC Male	Straight	None	8	1.15
A0807P	BNC Male	BNC Male	Straight	None	8	1.15
A0808P	BNC Female	SMA Female	Straight	None	8	1.15
A0809P	BNC Male	SMA Female	Straight	None	8	1.15
A0810P	BNC Female	SMA Male	Straight	None	8	1.15
A0811P	BNC Male	SMA Male	Straight	None	8	1.15

DC-11GHz, TNC to TNC/SMA/N (P Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A1101P	TNC Female	TNC Female	Straight	Straight	11	1.15
A1102P	TNC Female	TNC Male	Straight	Straight	11	1.15
A1103P	TNC Male	TNC Male	Straight	Straight	11	1.15
A1104P	TNC Female	N Female	Straight	Straight	11	1.15
A1105P	TNC Female	N Male	Straight	Straight	11	1.15
A1106P	TNC Male	N Female	Straight	Straight	11	1.15
A1107P	TNC Male	N Male	Straight	Straight	11	1.15
A1108P	TNC Female	SMA Female	Straight	Straight	11	1.15
A1109P	TNC Male	SMA Female	Straight	Straight	11	1.15
A1110P	TNC Female	SMA Male	Straight	Straight	11	1.15
A1111P	TNC Male	SMA Male	Straight	Straight	11	1.15

DC-18GHz, N to N/SMA/TNCA/3.5/2.92/2.4mm (P Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A1801P	N Male	N Female	Straight	None	18	1.15
A1801P-F1	N Male	N Female	Straight	4 Hole Flange	18	1.15
A1801P-RA1	N Male	N Female	Right angle	None	18	1.25
A1801P-Y1	N Male	N Female	Straight	Bulkhead	18	1.15
A1802P	N Female	SMA Female	Straight	None	18	1.15
A1802P-F1	N Female	SMA Female	Straight	4 hole flange	18	1.15
A1802P-Y1	N Female	SMA Female	Straight	Bulkhead	18	1.15
A1803P	N Female	SMA Male	Straight	None	18	1.15
A1803P-F1	N Female	SMA Male	Straight	4 hole flange	18	1.15
A1804P	N Male	SMA Male	Straight	None	18	1.15
A1804P-F1	N Male	SMA Male	Straight	4 hole flange	18	1.15
A1805P	N Male	SMA Female	Straight	None	18	1.15
A1806P	TNCA Female	TNCA Female	Straight	None	18	1.25
A1806P-F1	TNCA Female	TNCA Female	Straight	4 hole flange	18	1.25
A1806P-Y1	TNCA Female	TNCA Female	Straight	Bulkhead	18	1.25
A1807P	TNCA Female	TNCA Male	Straight	None	18	1.25
A1808P	TNCA Male	TNCA Male	Straight	None	18	1.25
A1809P	N Female	N Female	Straight	None	18	1.15
A1809P-F1	N Female	N Female	Straight	4 hole flange	18	1.15
A1809P-Y1	N Female	N Female	Straight	Bulkhead	18	1.15
A1809P-RA1	N Female	N Female	Right angle	None	18	1.25
A1810P	N Male	N Male	Straight	None	18	1.15
A1810P-RA1	N Male	N Male	Right angle	None	18	1.25
A1811P	N Female	3.5mm Female	Straight	None	18	1.15
A1812P	N Male	3.5mm Female	Straight	None	18	1.15
A1813P	N Female	3.5mm Male	Straight	None	18	1.15
A1814P	N Male	3.5mm Male	Straight	None	18	1.15
A1815P	N Female	2.92mm Female	Straight	None	18	1.15
A1816P	N Male	2.92mm Female	Straight	None	18	1.15
A1817P	N Female	2.92mm Male	Straight	None	18	1.15
A1818P	N Male	2.92mm Male	Straight	None	18	1.15
A1819P	N Female	2.4mm Female	Straight	None	18	1.15
A1820P	N Male	2.4mm Female	Straight	None	18	1.15
A1821P	N Female	2.4mm Male	Straight	None	18	1.15
A1822P	N Male	2.4MM Male	Straight	None	18	1.15
A1823P	N Female	TNCA Female	Straight	None	18	1.25
A1823P-F1	N Female	TNCA Female	Straight	4 hole flange	18	1.25

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A1824P	N Female	TNCA Male	Straight	None	18	1.25
A1825P	N Male	TNCA Female	Straight	None	18	1.25
A1826P	N Male	TNCA Male	Straight	None	18	1.25
A1827P	TNCA Female	SMA Female	Straight	None	18	1.25
A1828P	TNCA Male	SMA Female	Straight	None	18	1.25
A1829P	TNCA Female	SMA Male	Straight	None	18	1.25
A1830P	TNCA Male	SMA Male	Straight	None	18	1.25

DC-27GHz, SMA to SMA/SSMA/2.92/3.5/2.4mm (P Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A2701P	SMA Female	SMA Female	Straight	None	27	1.15
A2701P-F1	SMA Female	SMA Female	Straight	4 hole flange	27	1.15
A2701P-F2	SMA Female	SMA Female	Straight	4 hole flange	27	1.15
A2701P-Y1	SMA Female	SMA Female	Straight	Bulkhead	27	1.15
A2701P-RA1	SMA Female	SMA Female	Right angle	None	27	1.25
A2702P	SMA Male	SMA Female	Straight	None	27	1.15
A2702P-RA1	SMA Male	SMA Female	Right angle	None	27	1.25
A2702P-F1	SMA Male	SMA Female	Straight	4 hole flange	27	1.15
A2702P-Y1	SMA Male	SMA Female	Straight	Bulkhead	27	1.15
A2703P	SMA Male	SMA Male	Straight	None	27	1.15
A2703P-F1	SMA Male	SMA Male	Straight	4 hole flange	27	1.15
A2703P-RA1	SMA Male	SMA Male	Right angle	None	27	1.25
A2709P	3.5mm Female	SMA Female	Straight	None	27	1.15
A2710P	3.5mm Male	SMA Female	Straight	None	27	1.15
A2711P	3.5mm Female	SMA Male	Straight	None	27	1.15
A2712P	3.5mm Male	SMA Male	Straight	None	27	1.15
A2713P	2.92mm Female	SMA Female	Straight	None	27	1.15
A2714P	2.92mm Male	SMA Female	Straight	None	27	1.15
A2715P	2.92mm Female	SMA Male	Straight	None	27	1.15
A2716P	2.92mm Male	SMA Male	Straight	None	27	1.15
A2717P	2.4mm Female	SMA Female	Straight	None	27	1.15
A2718P	2.4mm Male	SMA Female	Straight	None	27	1.15
A2719P	2.4mm Female	SMA Male	Straight	None	27	1.15
A2720P	2.4mm Male	SMA Male	Straight	None	27	1.15
A2721P	SMA Female	SSMA Female	Straight	None	27	1.15
A2722P	SMA Male	SSMA Female	Straight	None	27	1.15
A2723P	SMA Female	SSMA Male	Straight	None	27	1.15
A2724P	SMA Male	SSMA Male	Straight	None	27	1.15

DC-33GHz, 3.5mm to 3.5/2.92/2.4/1.85mm (P Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A3301P	3.5mm Female	3.5mm Female	Straight	None	33	1.15
A3301P-F1	3.5mm Female	3.5mm Female	Straight	4 hole flange	33	1.15
A3301P-Y1	3.5mm Female	3.5mm Female	Straight	Bulkhead	33	1.15
A3301P-RA1	3.5mm Female	3.5mm Female	Right angle	None	33	1.25
A3302P	3.5mm Female	3.5mm Male	Straight	None	33	1.15
A3302P-RA1	3.5mm Female	3.5mm Male	Right angle	None	33	1.25
A3303P	3.5mm Male	3.5mm Male	Straight	None	33	1.15
A3303P-RA1	3.5mm Male	3.5mm Male	Right angle	None	33	1.25
A3304P	3.5mm Female	2.92mm Female	Straight	None	33	1.15
A3304P-F1	3.5mm Female	2.92mm Female	Straight	4 hole flange	33	1.15
A3305P	3.5mm Male	2.92mm Female	Straight	None	33	1.15
A3306P	3.5mm Female	2.92mm Male	Straight	None	33	1.15
A3307P	3.5mm Male	2.92mm Male	Straight	None	33	1.15
A3308P	3.5mm Female	2.4mm Female	Straight	None	33	1.15
A3309P	3.5mm Male	2.4mm Female	Straight	None	33	1.15
A3310P	3.5mm Female	2.4mm Male	Straight	None	33	1.15
A3311P	3.5mm Male	2.4mm Male	Straight	None	33	1.15
A3312P	3.5mm Female	1.85mm Female	Straight	None	33	1.15
A3313P	3.5mm Male	1.85mm Female	Straight	None	33	1.15
A3314P	3.5mm Female	1.85mm Male	Straight	None	33	1.15
A3315P	3.5mm Male	1.85mm Male	Straight	None	33	1.15

DC-40GHz, 2.92mm to 2.92/2.4/1.85mm/SSMP (P Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A4001P	2.92mm Male	2.92mm Female	Straight	None	40	1.15
A4001P-F1	2.92mm Male	2.92mm Female	Straight	4 hole flange	40	1.2
A4001P-Y1	2.92mm Male	2.92mm Female	Straight	Bulkhead	40	1.15
A4001P-RA1	2.92mm Female	2.92mm Male	Right angle	None	40	1.25
A4002P	2.92mm Female	2.92mm Female	Straight	None	40	1.2
A4002P-F1	2.92mm Female	2.92mm Female	Straight	4 hole flange	40	1.2
A4002P-Y1	2.92mm Female	2.92mm Female	Straight	Bulkhead	40	1.2
A4002P-RA1	2.92mm Female	2.92mm Female	Right angle	None	40	1.25
A4003P	2.92mm Male	2.92mm Male	Straight	None	40	1.15
A4003P-Y1	2.92mm Male	2.92mm Male	Straight	Bulkhead	40	1.2
A4003P-RA1	2.92mm Male	2.92mm Male	Right angle	None	40	1.25
A4004P	SSMA Female	SSMA Female	Straight	None	40	1.2
A4005P	SSMA Female	SSMA Male	Straight	None	40	1.2
A4006P	SSMA Male	SSMA Male	Straight	None	40	1.2
A4007P	2.92mm Female	2.4mm Female	Straight	None	40	1.2
A4007P-F1	2.92mm Female	2.4mm Female	Straight	4 hole flange	40	1.2
A4008P	2.92mm Male	2.4mm Female	Straight	None	40	1.15
A4009P	2.92mm Female	2.4mm Male	Straight	None	40	1.15
A4010P	2.92mm Male	2.4mm Male	Straight	None	40	1.15
A4011P	2.92mm Female	1.85mm Female	Straight	None	40	1.2
A4012P	2.92mm Male	1.85mm Female	Straight	None	40	1.15
A4013P	2.92mm Female	1.85mm Male	Straight	None	40	1.15
A4014P	2.92mm Male	1.85mm Male	Straight	None	40	1.15
A4015P	2.92mm Female	SSMA Female	Straight	None	40	1.2
A4016P	2.92mm Male	SSMA Female	Straight	None	40	1.2
A4017P	2.92mm Female	SSMA Male	Straight	None	40	1.2
A4018P	2.92mm Male	SSMA Male	Straight	None	40	1.2
A4019P	2.4mm Female	SSMA Female	Straight	None	40	1.2
A4020P	2.4mm Male	SSMA Female	Straight	None	40	1.2
A4021P	2.4mm Female	SSMA Male	Straight	None	40	1.2
A4022P	2.4mm Male	SSMA Male	Straight	None	40	1.2

DC-50GHz, 2.4mm to 2.4mm/1.85mm (P Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A5001P	2.4mm Female	2.4mm Female	Straight	None	50	1.2
A5001P-F1	2.4mm Female	2.4mm Female	Straight	4 hole flange	50	1.2
A5001P-Y1	2.4mm Female	2.4mm Female	Straight	Bulkhead	50	1.2
A5002P	2.4mm Female	2.4mm Male	Straight	None	50	1.2
A5003P	2.4mm Male	2.4mm Male	Straight	None	50	1.2
A5004P	2.4mm Female	1.85mm Female	Straight	None	50	1.25
A5005P	2.4mm Male	1.85mm Female	Straight	None	50	1.25
A5006P	2.4mm Female	1.85mm Male	Straight	None	50	1.25
A5007P	2.4mm Male	1.85mm Male	Straight	None	50	1.25

DC-65GHz, 1.85mm (P Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A6501P	1.85mm Female	1.85mm Female	Straight	None	65	1.25
A6501P-Y1	1.85mm Female	1.85mm Female	Straight	Bulkhead	65	1.25
A6502P	1.85mm Female	1.85mm Male	Straight	None	65	1.25
A6502P-Y1	1.85mm Female	1.85mm Male	Straight	Bulkhead	65	1.25
A6503P	1.85mm Male	1.85mm Male	Straight	None	65	1.25

DC-110GHz, 1mm (P Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A11001P	1.0mm Female	1.0mm Female	Straight	None	110	1.35
A11002P	1.0mm Female	1.0mm Male	Straight	None	110	1.35
A11003P	1.0mm Male	1.0mm Male	Straight	None	110	1.35

Precision B Series DC-18G till 67G

RF ONE has broken up these B series adapters into five frequency ranges: DC-67GHz, DC-50GHz, DC-40GHz, DC-27GHz, DC-18GHz.

DC-18GHz, N to N/3.5/2.92/2.4mm (B Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A1813B	N Male	3.5mm Male	Straight	None	18	1.15
A1814B	N Male	3.5mm Female	Straight	None	18	1.15
A1815B	N Female	3.5mm Male	Straight	None	18	1.15
A1816B	N Female	3.5mm Female	Straight	None	18	1.15
A1817B	N Male	2.92mm Male	Straight	None	18	1.15
A1818B	N Male	2.92mm Female	Straight	None	18	1.15
A1819B	N Female	2.92mm Male	Straight	None	18	1.15
A1820B	N Female	2.92mm Female	Straight	None	18	1.15
A1821B	N Male	2.4mm Male	Straight	None	18	1.15
A1822B	N Male	2.4mm Female	Straight	None	18	1.15
A1823B	N Female	2.4mm Female	Straight	None	18	1.15
A1824B	N Female	2.4mm Male	Straight	None	18	1.15

DC-27GHz, 3.5mm to 3.5/2.92/2.4/1.85mm/SMP (B Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A2701B	3.5mm Female	3.5mm Female	Straight	None	26.5	1.15
A2701B-F1	3.5mm Female	3.5mm Female	Straight	4 hole flange	26.5	1.2
A2702B	3.5mm Male	3.5mm Male	Straight	None	26.5	1.15
A2703B	3.5mm Female	3.5mm Male	Straight	None	26.5	1.15
A2704B	3.5mm Female	2.92mm Female	Straight	None	26.5	1.15
A2705B	3.5mm Male	2.92mm Male	Straight	None	26.5	1.15
A2706B	3.5mm Female	2.92mm Male	Straight	None	26.5	1.15
A2707B	3.5mm Male	2.92mm Female	Straight	None	26.5	1.15
A2708B	3.5mm Male	2.4mm Female	Straight	None	26.5	1.15
A2709B	3.5mm Male	2.4mm Male	Straight	None	26.5	1.15
A2710B	3.5mm Female	2.4mm Female	Straight	None	26.5	1.15
A2711B	3.5mm Female	2.4mm Male	Straight	None	26.5	1.15
A2712B	3.5mm Female	SMP Female	Straight	None	26.5	1.25
A2713B	3.5mm Female	SMP Male	Straight	None	26.5	1.25
A2714B	3.5mm Male	SMP Male	Straight	None	26.5	1.25
A2715B	3.5mm Male	SMP Female	Straight	None	26.5	1.25
A2716B	3.5mm Male	1.85mm Male	Straight	None	26.5	1.15
A2717B	3.5mm Male	1.85mm Female	Straight	None	26.5	1.15
A2718B	3.5mm Female	1.85mm Male	Straight	None	26.5	1.15
A2719B	3.5mm Female	1.85mm Female	Straight	None	26.5	1.15

DC-40GHz, 2.92mm to 2.92/2.4/1.85mm/SSMP/SMP (B Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A4001B	2.92mm Female	2.92mm Female	Straight	None	40	1.2
A4001B-F1	2.92mm Female	2.92mm Female	Straight	4 hole flange	40	1.2
A4001B-Y1	2.92mm Female	2.92mm Female	Straight	Bulkhead	40	1.2
A4002B	2.92mm Male	2.92mm Male	Straight	None	40	1.2
A4003B	2.92mm Female	2.92mm Male	Straight	None	40	1.2
A4004B	2.92mm Female	2.4mm Female	Straight	None	40	1.2
A4005B	2.92mm Female	2.4mm Male	Straight	None	40	1.2
A4006B	2.92mm Male	2.4mm Male	Straight	None	40	1.2
A4007B	2.92mm Male	2.4mm Female	Straight	None	40	1.2
A4008B	2.92mm Male	1.85mm Male	Straight	None	40	1.2
A4009B	2.92mm Male	1.85mm Female	Straight	None	40	1.2
A4010B	2.92mm Female	1.85mm Female	Straight	None	40	1.2
A4011B	2.92mm Female	1.85mm Male	Straight	None	40	1.2
A4012B	2.92mm Male	SMP Male	Straight	None	40	1.3
A4013B	2.92mm Male	SMP Female	Straight	None	40	1.3
A4014B	2.92mm Female	SMP Male	Straight	None	40	1.3
A4015B	2.92mm Female	SMP Female	Straight	None	40	1.3
A4016B	2.4mm Male	SMP Male	Straight	None	40	1.3
A4017B	2.4mm Male	SMP Female	Straight	None	40	1.3
A4018B	2.4mm Female	SMP Male	Straight	None	40	1.3
A4019B	2.4mm Female	SMP Female	Straight	None	40	1.3
A4024B	2.92mm Male	SSMP Male	Straight	None	40	1.25
A4025B	2.92mm Male	SSMP Female	Straight	None	40	1.25
A4026B	2.92mm Female	SSMP Male	Straight	None	40	1.25
A4027B	2.92mm Female	SSMP Female	Straight	None	40	1.25
A4028B	2.4mm Male	SSMP Male	Straight	None	40	1.25
A4029B	2.4mm Male	SSMP Female	Straight	None	40	1.25
A4030B	2.4mm Female	SSMP Male	Straight	None	40	1.25
A4031B	2.4mm Female	SSMP Female	Straight	None	40	1.25

DC-50GHz, 2.4mm to 2.4mm/1.85mm (B Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A5001B	2.4mm Female	2.4mm Female	Straight	None	50	1.2
A5001B-F1	2.4mm Female	2.4mm Female	Straight	4 hole flange	50	1.2
A5002B	2.4mm Male	2.4mm Male	Straight	None	50	1.2
A5003B	2.4mm Female	2.4mm Male	Straight	None	50	1.2
A5004B	2.4mm Male	1.85mm Male	Straight	None	50	1.2
A5005B	2.4mm Male	1.85mm Female	Straight	None	50	1.2
A5006B	2.4mm Female	1.85mm Male	Straight	None	50	1.2
A5007B	2.4mm Female	1.85mm Female	Straight	None	50	1.2

DC-67GHz, 1.85mm (B Series)

RF ONE P/N	Connector 1	Connector 2	Style	Mounting	Frequency(GHz)	VSWR(Max)
A6701B	1.85mm Female	1.85mm Female	Straight	None	67	1.3
A6702B	1.85mm Male	1.85mm Male	Straight	None	67	1.3
A6703B	1.85mm Female	1.85mm Male	Straight	None	67	1.3

About Us

RF ONE is an ISO 9001 certified supplier of high quality RF & Microwave components from China. Our team has more than three-decade combined years of experience in this industry.

Since 2002 we have been dedicated to the design and manufacturing of RF attenuators and terminations. Our facility started with thick-film circuit fabrication which laid a solid technological foundation for us to develop the widest selection of coaxial RF attenuators and terminations.

Over the past decade when China's RF industry growing faster than ever, RF ONE has expanded our products from coax RF attenuators to cable assemblies, waveguide to coax adapters, mmWave adapters and connectors etc .

Today our ISO 9001 certified facilities provide products ranging from military-grade SMP connectors to high power coaxial attenuators, main categories are listed below.

- Coaxial Fixed Attenuator (DC-40GHz/50GHz/67GHz, 2W-2kW)
- Coaxial Termination (DC-40GHz/50GHz/67GHz, 2W-500W)
- Step Attenuator (0-70db, 1db step)
- Flexible Cable Assembly (Up to 110GHz)
- mmWave Coax Adapter/Connector (Up to 110GHz)
- Low PIM Components (170dbc termination/duplexer)
- Waveguide to Coax Adapter (from WR12 to WR430, WRD750)

We are confident in the quality of our products and most parts are covered by warranties. Test data and certificate of conformity are provided along with each shipment.

Thanks to our highly professional sales representatives worldwide, RF ONE has proudly been the approved vendor to Indra, Viavi Solutions, Teledyne Paradise Datacom and also supply via our global partners to ACE Technologies Corp, L-COM, RFHIC, and Ericsson etc.



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