2.4mm Precision Fixed Offset Shorts

Models 7946A (female) and 7946B (male)

Description

These fixed offset shorts are used to establish the reference plane of calibration for vector network analyzers with 2.4mm test port connectors, including the Agilent PNA series. They are sold as part of Maury's 7950 and 7960 series VNA calibration kits, or may be purchased separately as replacement parts or spares.

7946A

7946B

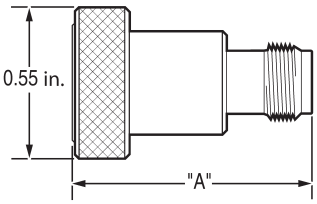
Specifications

Frequency Range . . . . . DC to 50.0 GHz
Minimum Reflection Coefficient 0.98
Nominal Impedance . . . . . 50 ohm
Phase Accuracy . . . . . ± 2.0°

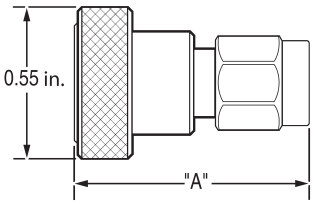
Available Models

MODEL	SEX	"A" DIMENSION		OFFSET LENGTH	
		INCHES	(CM)	INCHES	(CM)
7946A	female	0.830	(2.1082)	0.2	(0.508)
7946B	male	0.797	(2.0244)	0.2	(0.508)

Reference Dimensions



7946A



7946B

2.92mm Precision Fixed Shorts

Model Series 8771 (female) and 8772 (male)

Description

These fixed offset shorts mate with the 2.92mm (K) test port connectors on various vector network analyzers, including the Agilent PNA series. The 8771F1 and 8772F1are reference shorts which are sold as part of Maury's 8770 and 8760 series VNA calibration kits, but may also be purchased separately as replacement parts or spares. The other models in these series are also sold separately as calibration kit accessories.

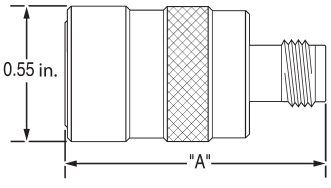
8771F1

8772F1

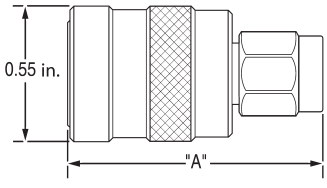
Specifications

Frequency Range . . . . . DC to 40.0 GHz
Minimum Reflection Coefficient 0.98
Nominal Impedance . . . . . 50 ohm
Phase Accuracy . . . . . ± 2.0°

Reference Dimensions



8771F1



8772F1

Available Models

MODEL	SEX	"A" DIMENSION		OFFSET LENGTH		1/4- λ FREQ (GHz)
		INCHES	(CM)	INCHES	(CM)	
8771A1	female	1.856	(4.7142)	1.1803	(2.9980)	3.0
8771B1	female	1.364	(3.4646)	0.6885	(1.7488)	6.0
8771C1	female	1.162	(2.9515)	0.4862	(1.2349)	10.2
8771D1	female	1.080	(2.7432)	0.4040	(1.0262)	14.24
8771E1	female	1.005	(2.5527)	0.3295	(0.8369)	22.24
8771F1[1]	female	0.873	(2.2174)	0.1970 [1]	(0.5004)	REF
8772A1	male	1.897	(4.8184)	1.1803	(2.9980)	3.0
8772B1	male	1.405	(3.5687)	0.6885	(1.7488)	6.0
8772C1	male	1.203	(3.0556)	0.4862	(1.2349)	10.2
8772D1	male	1.121	(2.8473)	0.4040	(1.0262)	14.24
8772E1	male	1.046	(2.6568)	0.3295	(0.8369)	22.24
8772F1[1]	male	0.914	(2.3216)	0.1970 [1]	(0.5004)	REF

[1] Reference shorts and reference offset lengths for these two model series. The relative offset length of other models in each series is derived by subtracting their offset lengths (show in this table) from the offset length of their appropriate reference short (i.e., 8771F1 or8772F1).