7-16 Precision Fixed Offset Shorts

Model Series 2714

Description

The 2714A and 2714B are precision 7-16 fixed offset shorts designed to operate from DC to 7.5 GHz. These shorts establish a measurement plane of 2.00cm offset from the connector reference plane for compatibility with the companion 2716 series open circuits. See page 79.

Specifications

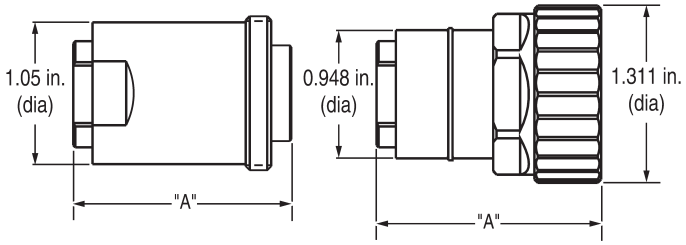
Frequency Range . . . . . DC to 7.5 GHz
Minimum Reflection Coefficient 0.99
Nominal Impedance . . . . . 50 ohm
Phase Accuracy . . . . . DC to 4.0 GHz = ± 0.60°
4.0 to 7.5 GHz = ± 0.85°

Available Models

MODEL	SEX	"A" DIMENSION		OFFSET LENGTH	
		INCHES	(CM)	INCHES	(CM)
2714A	female	1.707	(4.3358)	0.7897	(2.006)
2714B	male	1.777	(4.5136)	0.7897	(2.006)
2714C	female	2.886	(7.3304)	1.9680	(4.999)
2714D	male	2.955	(7.5057)	1.9680	(4.999)

2714A 2714B

Reference Dimensions



2714A 2714B

General Purpose Fixed Offset Shorts

Description

The defining characteristic of this class of fixed offset shorts is their suitability for general purpose vector network analyzer (VNA) calibration, where the reference plane (or an offset established by another component) has a wider range of tolerance than would be desireable for high precision, metrology grade calibrations.

361P2

364C

Specifications

MODEL	CONNECTOR TYPE	FREQUENCY RANGE (GHz)		
8884A	Type N 75 ohm female	DC	—	2.0
8884B	Type N 75 ohm male			
364C	C female	DC	—	10.0
364D	C male			
8445A	HN female	DC	—	8.0
8445B1	HN male			
8455A	SC female	DC	—	10.0
8455B1	SC male			
361N2	BNC female	DC	—	12.4
361P2	BNC male			
8584A	BNC 75 ohm female	DC	—	2.0
8584B	BNC 75 ohm male			