

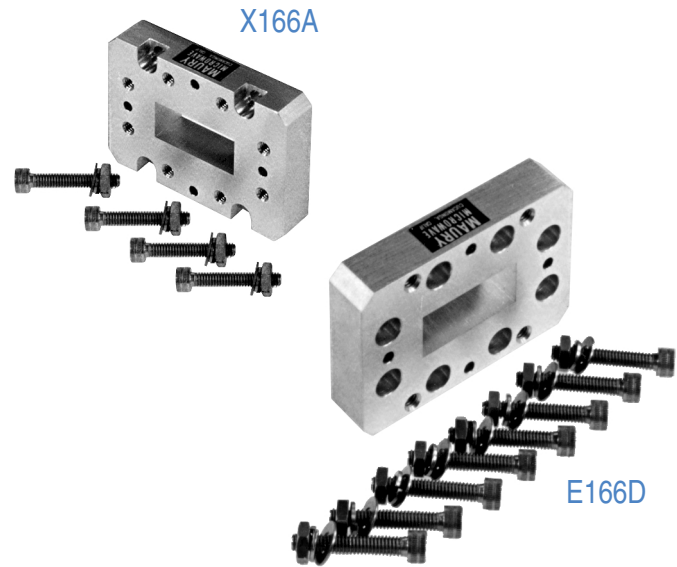
Waveguide Flange Adapters

In-Band – Minimum Length

Description

Maury series 166 are unique precision waveguide flange adapters for converting flanges from one type to another type in the same waveguide band and introducing a minimum of insertion length. A summary of the basic model types of adapters available in this series may be found in Maury data sheet 3A-166. This data sheet also lists the contents of the specific hardware kit that is supplied with each model type (except K and U bands).

These flange adapters are designed for both laboratory and system applications. They provide a convenient and precise method for converting equipment from one type flange to another for either temporary or permanent installations. Due to the precision manufacturing techniques utilized, the reflection introduced by these adapters is 1.01. Each adapter is provided with special mounting hardware and installation instructions, (except models in K and U bands).



Available Models

MODEL	ADAPTS		FREQUENCY RANGE (GHz)	TYPICAL VSWR	EIA WR NUMBER	OVERALL LENGTH	
	SIDE A	SIDE B				INCHES	(CM)
S166B	CPR284F	UG53/U	2.60 — 3.95	1.01	284	0.50	(1.3)
E166C	CPR229F	CMR229	3.30 — 4.90	1.01	229	0.50	(1.3)
E166D	CMR229	CPR229	3.30 — 4.90	1.01	229	0.50	(1.3)
G166A	UG149A/U	CPR187F	3.95 — 5.85	1.01	187	0.50	(1.3)
F166C	CPR159	CPR159	4.90 — 7.05	1.01	159	0.75	(1.9)
F166D	CMR159	CPR159F	4.90 — 7.05	1.01	159	0.75	(1.9)
C166A	UG344/U	CPR137F	5.85 — 8.20	1.01	137	0.50	(1.3)
C166B	CPR137F	UG344/U	5.85 — 8.20	1.01	137	0.50	(1.3)
C166D	CMR137	CPR137F	5.85 — 8.20	1.01	137	0.75	(1.9)
C166E	UG344/U	CMR137	5.85 — 8.20	1.01	137	0.50	(1.3)
H166A	UG51/U	CPR112F	7.05 — 10.00	1.01	112	0.50	(1.3)
H166B	CPR112F	UG51/U	7.05 — 10.00	1.01	112	0.50	(1.3)
H166C	CPR112F	CMR112	7.05 — 10.00	1.01	112	0.75	(1.9)
H166D	CMR112	CPR112F	7.05 — 10.00	1.01	112	0.75	(1.9)
H166E	UG51/U	CMR112	7.05 — 10.00	1.01	112	0.50	(1.3)
H166F	CMR112	UG51/U	7.05 — 10.00	1.01	112	0.50	(1.3)
X166A	UG39/U	CPR90F	8.20 — 12.40	1.01	90	0.50	(1.3)
X166B	CPR90F	UG39/U	8.20 — 12.40	1.01	90	0.50	(1.3)
X166D	CMR90	CPR90F	8.20 — 12.40	1.01	90	0.75	(1.9)
X166E	UG39/U	CMR90	8.20 — 12.40	1.01	90	0.50	(1.3)
X166F	CMR90	UG39/U	8.20 — 12.40	1.01	90	0.50	(1.3)
K166G	UG595U	UG425U	18.00 — 26.50	1.01	42	0.50	(1.3)
U166G	UG599/U	UG381/U	26.50 — 40.00	1.01	28	0.50	(1.3)

Key Literature: Maury data sheet 3A-166.