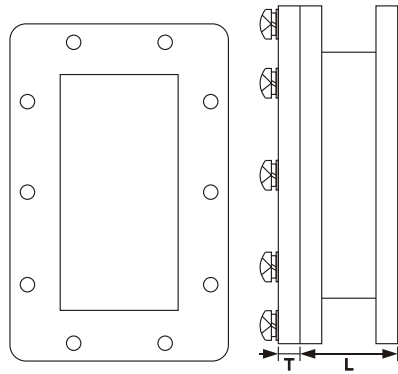


Waveguide Offset Short



ELECTRICAL CHARACTERISTICS:

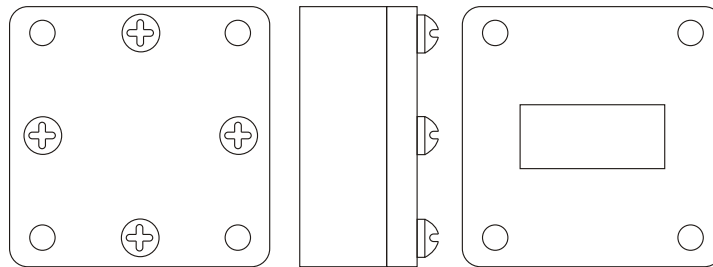
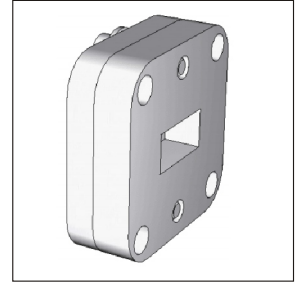
Part No.	WG Type EIA	Freq Range (GHz)	VSWR	Dimension(mm)		Flange	Material
				T	L		
SH-3WOFS	WR2300	0.32-0.49	≥50	23	239.5	FDP	Al
SH-4WOFS	WR2100	0.35-0.53	≥50	23	221.6	FDP	Al
SH-5WOFS	WR1800	0.41-0.62	≥50	18	188.9	FDP	Al
SH-6WOFS	WR1500	0.49-0.75	≥50	18	156.6	FDP	Al
SH-8WOFS	WR1150	0.64-0.98	≥50	14	122.3	FDP	Al
SH-9WOFS	WR975	0.75-1.15	≥50	14	101.6	FDP	Al
SH-12WOFS	WR770	0.96-1.46	≥50	12	81.1	FDP	Al
SH-14WOFS	WR650	1.13-1.73	≥50	12	67.9	FDP	Al
SH-18WOFS	WR510	1.45-2.20	≥50	12	53.2	FDP	Al
SH-22WOFS	WR430	1.72-2.61	≥50	10	44.8	FDP	Al
SH-26WOFS	WR340	2.17-3.30	≥50	10	35.5	FDP	Al
SH-32WOFS	WR284	2.60-3.95	≥50	8	29.6	FDP	Al
SH-40WOFS	WR229	3.22-4.90	≥50	8	23.9	FDP	Al
SH-48WOFS	WR187	3.94-5.99	≥50	7	19.6	FDP	Al
SH-58WOFS	WR159	4.64-7.05	≥50	7	16.6	FDP	Al
SH-70WOFS	WR137	5.38-8.17	≥50	7	14.3	FDP	Cu
SH-84WOFS	WR112	6.57-9.99	≥50	5	11.7	FBP	Cu
SH-100WOFS	WR90	8.20-12.40	≥50	5	9.5	FBP	Cu
SH-120WOFS	WR75	9.84-15.0	≥50	5	7.8	FBP	Cu
SH-140WOFS	WR62	11.9-18.0	≥50	5	6.5	FBP	Cu
SH-180WOFS	WR51	14.5-22.0	≥50	5	5.3	FBP	Cu
SH-220WOFS	WR42	17.6-26.7	≥50	4	4.4	FBP	Cu
SH-260WOFS	WR34	21.7-33.0	≥50	4	3.55	FBP	Cu
SH-320WOFS	WR28	26.5-40.0	≥50	4	2.9	FBP	Cu
SH-400WOFS	WR22	32.9-50.1	≥50	4	2.3	FUGP	Cu
SH-500WOFS	WR19	39.2-59.6	≥50	4	1.97	FUGP	Cu
SH-620WOFS	WR15	49.8-75.8	≥50	4	1.55	FUGP	Cu
SH-740WOFS	WR12	60.5-91.9	≥50	4	1.3	FUGP	Cu
SH-900WOFS	WR10	73.8-112	≥50	4	1.05	FUGP	Cu

Note: L value is according to waveguide center frequency

WAVEGUIDE SHORT

Waveguide Offset Short

Waveguide offset shorts are available on special order. These are designed to have a specific shorting distance as required.



WAVEGUIDE SHORT PLATE



Waveguide Short Plate

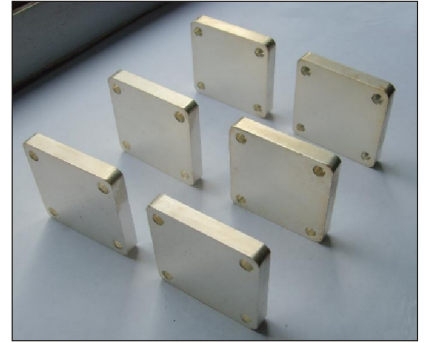
ELECTRICAL CHARACTERISTICS:

Part No.	WG Type EIA	Freq Range (GHz)	VSWR	Standard Thickness (mm)	Flange	Material
SH-3WS	WR2300	0.32-0.49	≥60	23	FDP	Al
SH-4WS	WR2100	0.35-0.53	≥60	23	FDP	Al
SH-5WS	WR1800	0.41-0.62	≥60	18	FDP	Al
SH-6WS	WR1500	0.49-0.75	≥60	18	FDP	Al
SH-8WS	WR1150	0.64-0.98	≥60	14	FDP	Al
SH-9WS	WR975	0.75-1.15	≥60	14	FDP	Al
SH-12WS	WR770	0.96-1.46	≥60	12	FDP	Al
SH-14WS	WR650	1.13-1.73	≥60	12	FDP	Al
SH-18WS	WR510	1.45-2.20	≥60	12	FDP	Al
SH-22WS	WR430	1.72-2.61	≥60	10	FDP	Al
SH-26WS	WR340	2.17-3.30	≥60	10	FDP	Al
SH-32WS	WR284	2.60-3.95	≥60	8	FDP	Al
SH-40WS	WR229	3.22-4.90	≥60	8	FDP	Al
SH-48WS	WR187	3.94-5.99	≥60	7	FDP	Al
SH-58WS	WR159	4.64-7.05	≥60	7	FDP	Al
SH-70WS	WR137	5.38-8.17	≥60	7	FDP	Cu
SH-84WS	WR112	6.57-9.99	≥60	5	FBP	Cu
SH-100WS	WR90	8.20-12.40	≥60	5	FBP	Cu
SH-120WS	WR75	9.84-15.0	≥60	5	FBP	Cu
SH-140WS	WR62	11.9-18.0	≥60	5	FBP	Cu
SH-180WS	WR51	14.5-22.0	≥60	5	FBP	Cu
SH-220WS	WR42	17.6-26.7	≥60	4	FBP	Cu
SH-260WS	WR34	21.7-33.0	≥60	4	FBP	Cu
SH-320WS	WR28	26.5-40.0	≥60	4	FBP	Cu
SH-400WS	WR22	32.9-50.1	≥60	4	FUGP	Cu
SH-500WS	WR19	39.2-59.6	≥60	4	FUGP	Cu
SH-620WS	WR15	49.8-75.8	≥60	4	FUGP	Cu
SH-740WS	WR12	60.5-91.9	≥60	4	FUGP	Cu
SH-900WS	WR10	73.8-112	≥60	4	FUGP	Cu

WAVEGUIDE SHORT

Waveguide Short Plate

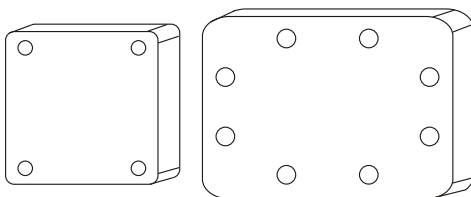
Shinhom Microwave offers a standard product line of waveguide short plates which provide high reflection short circuits for terminating all standard waveguides. Shinhom Microwave offers a cover, all-clear configuration as a standard product. Alternate materials and configurations are available upon request.



ELECTRICAL CHARACTERISTICS:

Part No.	Freq Range (GHz)	VSWR (Min)	Thickness (mm)	WG Type		Flange	Material
				IEC	EIA		
SH-3WS...	0.32-0.49	60	23	R3	WR2300	FDP	Al
SH-4WS...	0.35-0.53	60	23	R4	WR2100	FDP	Al
SH-5WS...	0.41-0.62	60	18	R5	WR1800	FDP	Al
SH-6WS...	0.49-0.75	60	18	R6	WR1500	FDP	Al
SH-8WS...	0.64-0.98	60	14	R8	WR1150	FDP	Al
SH-9WS...	0.75-1.15	60	14	R9	WR975	FDP	Al
SH-12WS...	0.96-1.46	60	12	R12	WR770	FDP	Al
SH-14WS...	1.13-1.73	60	12	R14	WR650	FDP	Al
SH-18WS...	1.45-2.20	60	12	R18	WR510	FDP	AlCu
SH-22WS...	1.72-2.61	60	10	R22	WR430	FDP	AlCu
SH-26WS...	2.17-3.30	60	10	R26	WR340	FDP	AlCu
SH-32WS...	2.60-3.95	60	8	R32	WR284	FDP	AlCu
SH-40WS...	3.22-4.90	60	8	R40	WR229	FDP	AlCu
SH-48WS...	3.94-5.99	60	7	R48	WR187	FDP	AlCu
SH-58WS...	4.64-7.05	60	7	R58	WR159	FDP	AlCu
SH-70WS...	5.38-8.17	60	7	R70	WR137	FDP	AlCu
SH-84WS...	6.57-9.99	60	5	R84	WR112	FBP	AlCu
SH-100WS...	8.20-12.40	60	5	R100	WR90	FBP	AlCu
SH-120WS...	9.84-15.0	60	5	R120	WR75	FBP	AlCu
SH-140WS...	11.9-18.0	60	5	R140	WR62	FBP	AlCu
SH-180WS...	14.5-22.0	60	5	R180	WR51	FBP	AlCu
SH-220WS...	17.6-26.7	60	4	R220	WR42	FBP	AlCu
SH-260WS...	21.7-33.0	60	4	R260	WR34	FBP	AlCu
SH-320WS...	26.3-40.0	60	4	R320	WR28	FBP	AlCu
SH-400WS...	32.9-50.1	60	4	R400	WR22	FUGP	Cu
SH-500WS...	39.2-59.6	60	4	R500	WR19	FUGP	Cu
SH-620WS...	49.8-75.8	60	4	R620	WR15	FUGP	Cu
SH-740WS...	60.5-91.9	60	4	R740	WR12	FUGP	Cu
SH-900WS...	73.8-112	60	4	R900	WR10	FUGP	Cu

*Indicates Model Number. See Ordering Information for complete part number.



Ordering Information

Example Part No: SH - 100 WS A
Shinhom Microwave _____ Material : A=Aluminum
WG type:R100 _____ C=Copper
Product Type:Waveguide Short

- Flange type: Multiple types available – see Shinhom Microwave Flanges page
- Finish: Corrosion protection plus black top coat

WAVEGUIDE SHORT PLATE

Waveguide Sliding Short



ELECTRICAL CHARACTERISTICS:

Part No.	WG Type EIA	Freq Range (GHz)	VSWR	Sliding Distance (mm)	Flange	Material
SH-3WSS	WR2300	0.32-0.49	≥ 50	300	FDP	Al
SH-4WSS	WR2100	0.35-0.53	≥ 50	240	FDP	Al
SH-5WSS	WR1800	0.41-0.62	≥ 50	220	FDP	Al
SH-6WSS	WR1500	0.49-0.75	≥ 50	180	FDP	Al
SH-8WSS	WR1150	0.64-0.98	≥ 50	150	FDP	Al
SH-9WSS	WR975	0.75-1.15	≥ 50	130	FDP	Al
SH-12WSS	WR770	0.96-1.46	≥ 50	100	FDP	Al
SH-14WSS	WR650	1.13-1.73	≥ 50	90	FDP	Al
SH-18WSS	WR510	1.45-2.20	≥ 50	80	FDP	Al
SH-22WSS	WR430	1.72-2.61	≥ 50	70	FDP	Al
SH-26WSS	WR340	2.17-3.30	≥ 50	60	FDP	Al
SH-32WSS	WR284	2.60-3.95	≥ 50	60	FDP	Al
SH-40WSS	WR229	3.22-4.90	≥ 50	50	FDP	Al
SH-48WSS	WR187	3.94-5.99	≥ 50	50	FDP	Al
SH-58WSS	WR159	4.64-7.05	≥ 50	50	FDP	Al
SH-70WSS	WR137	5.38-8.17	≥ 50	40	FDP	Cu
SH-84WSS	WR112	6.57-9.99	≥ 50	40	FBP	Cu
SH-100WSS	WR90	8.20-12.40	≥ 50	30	FBP	Cu
SH-120WSS	WR75	9.84-15.0	≥ 50	30	FBP	Cu
SH-140WSS	WR62	11.9-18.0	≥ 50	25	FBP	Cu
SH-180WSS	WR51	14.5-22.0	≥ 50	20	FBP	Cu
SH-220WSS	WR42	17.6-26.7	≥ 50	20	FBP	Cu
SH-260WSS	WR34	21.7-33.0	≥ 50	10	FBP	Cu
SH-320WSS	WR28	26.5-40.0	≥ 50	10	FBP	Cu
SH-400WSS	WR22	32.9-50.1	≥ 50	10	FUGP	Cu
SH-500WSS	WR19	39.2-59.6	≥ 50	10	FUGP	Cu
SH-620WSS	WR15	49.8-75.8	≥ 50	10	FUGP	Cu
SH-740WSS	WR12	60.5-91.9	≥ 50	10	FUGP	Cu
SH-900WSS	WR10	73.8-112	≥ 50	10	FUGP	Cu

WAVEGUIDE SHORT

Waveguide Sliding Short

Waveguide sliding shorts are available. Please consult sales engineer for more information.

