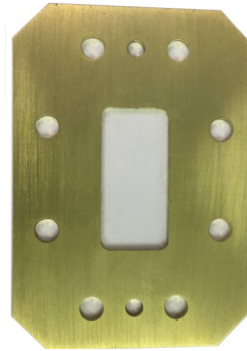


# Waveguide Pressure Windows



keep up the pressure



**ESAT2500**  
Low Power  
Pressure Windows

**ESAT2510**  
Medium Power  
Pressure Windows

**ESAT2520**  
High Power  
Pressure Windows

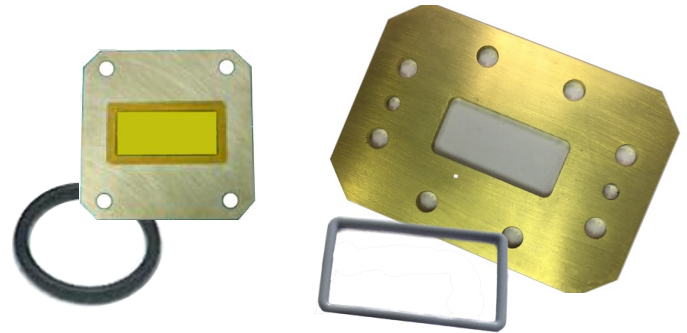
## Waveguide Pressure Windows

Our line of pressure windows are designed to form an efficient seal to contain internal dry air pressure that keeps moisture and contaminants out of a waveguide system. Full waveguide band low power models are typically used in terrestrial microwave radio applications while narrower band medium and high power units are suitable for use in satellite ground stations.

Constructed from brass and fitted with either Mylar, Teflon-fiberglass or ceramic/quartz waveguide apertures these windows are designed to offer years of reliable field service.

### Key Features:

- Short lead-time availability
- Wide operating temperature range -40 to +85 C (+120 C high power)
- Alternate frequency bands and flange configurations available
- An O-ring or rectangular half gasket is included
- Aluminum material is available as an option
- Backed by a 2 year warranty



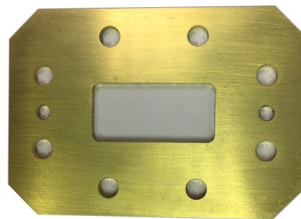
### Specifications—Low Power

Model	Waveguide Flange Type				Waveguide Size WR (R)	Passband (GHz)		RF Power (Watts) max.	Pressure (PSIG) max.	Thickness (Inches)	Return Loss (dB) min.
	CPRF	UDR	Cover	UBR		From	To				
ESAT2500-05	-0202	-2222	-0606		137 (70)	5.85	8.20	100	10	0.06	35
ESAT2500-06	-0202	-2222			112 (84)	7.05	10.00	100	10	0.06	35
ESAT2500-06			-0303	-2323	112 (84)	7.05	10.00	100	10	0.229	35
ESAT2500-07	-0202	-2222			90 (100)	8.2	12.4	100	10	0.06	35
ESAT2500-07			-0303	-2323	90 (100)	8.2	12.4	100	10	0.229	35
ESAT2500-08			-0303	-2323	75 (120)	10	15	100	10	0.229	35
ESAT2500-09			-0303	-2323	62 (140)	12.4	18.0	100	10	0.229	30
ESAT2500-11			-0303	-2323	42 (220)	18.0	26.5	50	10	0.375	28
ESAT2500-12			-0303	-2323	34 (260)	22.0	33.0	20	10	0.375	24
ESAT2500-13			-0303	-2323	28 (320)	26.5	40.0	20	10	0.375	24

# Waveguide Pressure Windows



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**ESAT2500**  
Low Power  
Pressure Windows

**ESAT2510**  
Medium Power  
Pressure Windows

**ESAT2520**  
High Power  
Pressure Windows

## Specifications—Medium and High Power

Model	Waveguide Flange Type				Waveguide Size	Passband		RF Power	Pressure	Thickness	Return Loss
	CPRF	UDR	Cover	UBR	WR (R)	(GHz) From To		(Watts) max.	(PSIG) max.	(Inches)	(dB) min.
ESAT2510-05A	-0202	-2222	-0606		137 (70)	5.850	6.425	1000	20	0.250	26
ESAT2510-06N	-0202	-2222	-0303	-2323	112 (84)	7.9	8.4	1000	20	0.250	26
ESAT2510-08A			-0303	-2323	75 (120)	13.75	14.50	1000	20	0.250	26
ESAT2510-12C			-0303	-2323	34 (100)	27	31	50	20	0.250	19
ESAT2510-13C			-0303	-2323	28 (100)	27	31	50	20	0.250	19
ESAT2520-05A	-0202	-2222	-0606		137 (70)	5.850	6.425	3000	20	0.250	23
ESAT2520-06N	-0202	-2222	-0303	-2323	112 (84)	7.9	8.4	3000	20	0.250	23
ESAT2520-08A			-0303	-2323	75 (120)	13.75	14.50	2000	20	0.250	23
<b>CPRG</b>											
ESAT2510-05A	-0102				137 (70)	5.850	6.425	1000	20	0.250	26
ESAT2510-06N	-0102				112 (84)	7.9	8.4	1000	20	0.250	26
ESAT2520-05A	-0102				137 (70)	5.850	6.425	3000	20	0.250	23
ESAT2520-06N	-0102				112 (84)	7.9	8.4	3000	20	0.250	23

## Part Number Guide

ESAT2520		-05	A	-300	02	-01	02
Window Type						Pressure (PSIG x 10)	Side 1 Side 2 Flange Type
Low Power	ESAT2500						
Medium Power	ESAT2510						Side 1 is pressure side
High Power	ESAT2520						
				Waveguide Size		RF Power (Watts x 10)	

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