

Waveguide Step Transition, WR284 to WR340

GERLING

Model GA2028

GAE offers a series of high power waveguide step transitions that deliver high performance at high power levels. Each model in the series is designed using the quarter wave impedance transformer and mean height methods to achieve a near perfect transition between waveguide sizes.

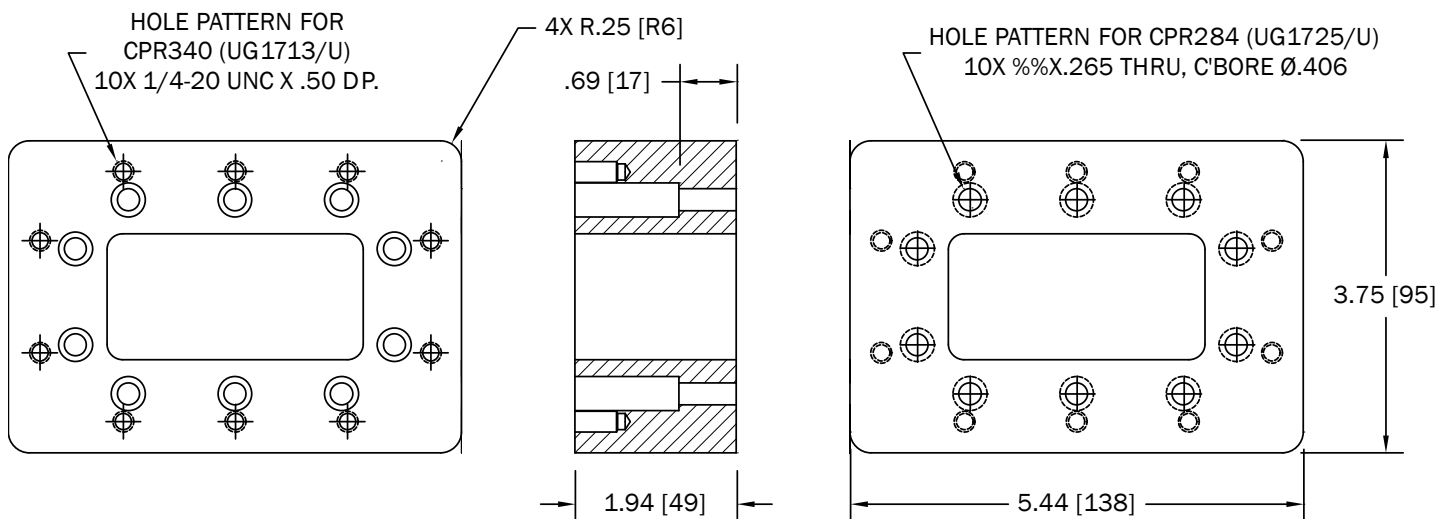
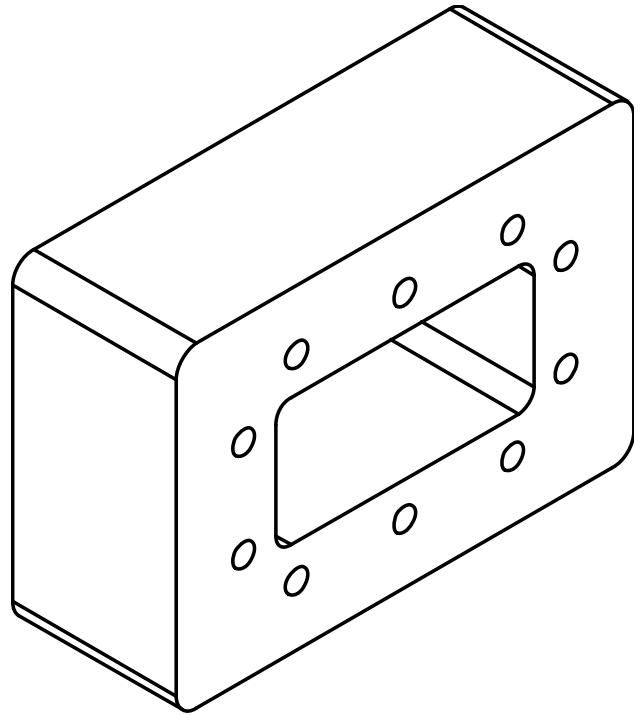
The model GA2028 transitions between WR284 and WR340 waveguide with standard rectangular (CPR) flange configurations. Mating WR340 flanges can have either thru or tapped holes while mating WR284 flanges require thru holes. Single piece aluminum construction ensures dimensional precision and long life durability.

General Specifications:

Frequency	2450 MHz +/- 30 MHz
Waveguide Flange	Port 1: CPR284 (UG1725/U) with tapped holes Port 2: WR340 (UG554/U) with thru holes
Input VSWR	1.02 max.
Insertion Loss	.02 dB max
Construction	Aluminum
Finish	Clear chemical film per MIL-DTL-5541F

Options:

- ◆ Alternate hole thread sizes
- ◆ Studs on flange hole pattern (any combination)
- ◆ Flange interlock switch
- ◆ Alternate finish



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