

Waveguide Taper Transition, CPR284 to WR340/WR430

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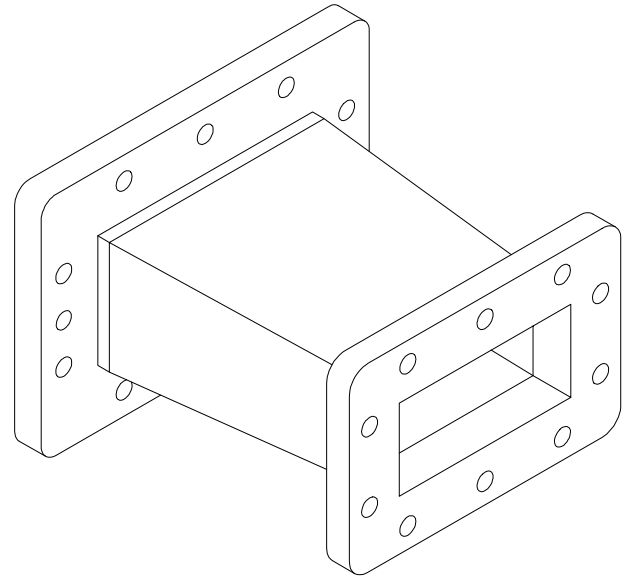
Model GA2006
Model GA2007

GAE offers a series of high power tapered waveguide transitions that deliver high performance at high power levels. Each model in the series is designed using a theoretically optimal taper length to achieve near perfect waveguide transitioning.

The model GA2006 transitions between WR284 and WR340 waveguide while the GA2007 transitions between WR284 and WR430. Both models are configured with rectangular CPR flanges at both ends.

General Specifications:

Frequency	2450 MHz +/- 30 MHz
Input Power	6 kW continuous max.
Port 1 Flange	CPR284 (UG1725/U)
Port 2 Flange	GA2006: WR340 (UG554/U) GA2007: WR430 (UG437B/U)
Input VSWR	1.05 max.
Insertion Loss	.02 dB max
Material	6061-T6 aluminum
Construction	Dip braze per MIL-B-7883C, Type 5, Grade B
Finish	Clear chemical film per MIL-C-5541, Class 1A



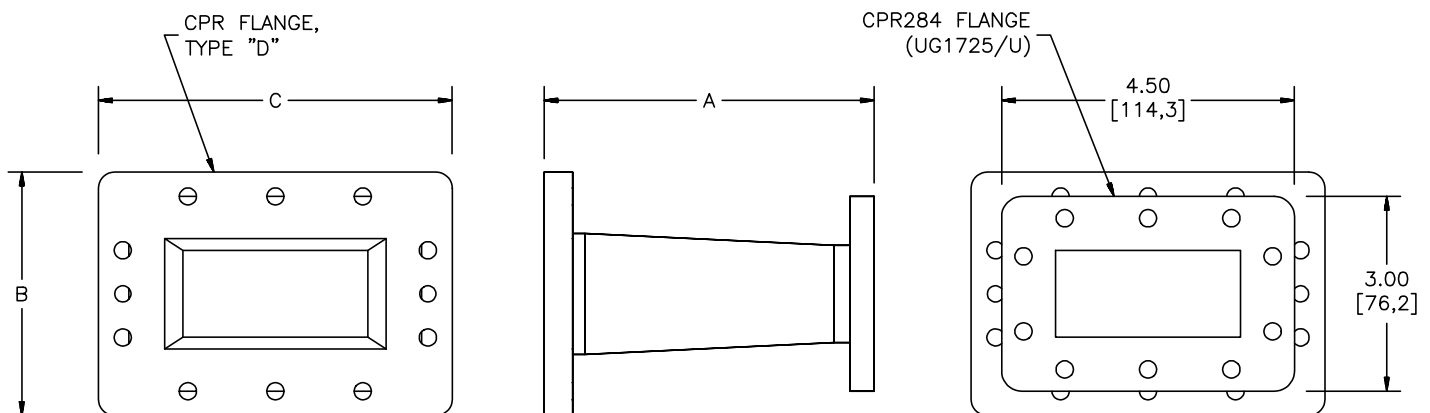
Model GA2006

Options:

- ◆ Threaded inserts or studs on flange hole patterns (any combination)
- ◆ Flange interlock switches
- ◆ Alternate finish

	GA2006	GA2007
A	5.04 [128]	4.60 [117]
B	3.75 [95,3]	4.19 [106,4]
C	5.44 [138,2]	6.34 [161,0]
D	WR340 (UG554/U)	WR430 (UG437B/U)

ALL FLANGE BOLT HOLES ϕ .265 [6,7] (TAPPED HOLES OPTIONAL).



**GERLING APPLIED
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