

# PRECISION WR159 FLANGES

## MPF159B INTERFACE DIMENSIONS

### Description

Maury Microwave's MPF159B flange for WR159 waveguide components and instruments is a precision contact type flange designed to mate with CPR159 standard contact flanges. It is provided with precision indexing holes which provide excellent alignment and measurement repeatability. For simplicity of identification, this flange configuration is designated MPF159B.

The MPF159B flange meets the requirements shown in **Figure 1**. It's size is the same as CPR159 flanges so that standard plastic flange covers (Maury 299-W-314) can be used.

Most Maury components in WR159 waveguide are provided with the MPF159B flange. In addition, ruggedized indexing holes can also be provided; this is where the indexing holes are machined into stainless steel inserts which have been press fitted into the flange and consequently provide excellent wear characteristics. When ruggedized indexing holes are provided, the flange is designated MPF159BR.

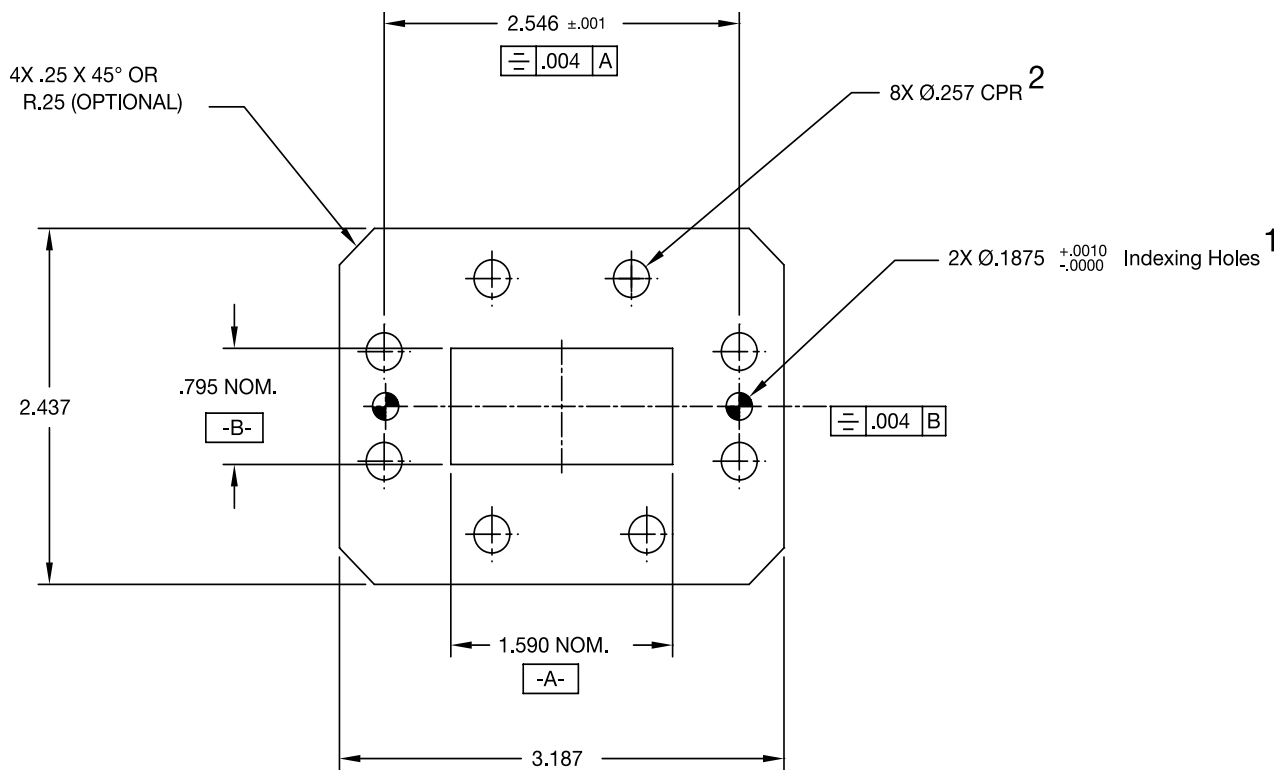


Figure 1

### Notes

<sup>1</sup> Precision Maury indexing holes. (See Maury data sheet 3A-996 for indexing pins).

<sup>2</sup> EIA CPR flange bolt hole pattern CPR159F & G, (reference EIA RS-271-A).