

UNIVERSAL WR229 FLANGES

MPF229 INTERFACE DIMENSIONS

Description

Maury Microwave's universal flange for WR229 waveguide components and instruments is a precision contact type flange designed to mate with both CPR and CMR EIA 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 MPF229.

The MPF229 flange meets the requirements shown in [Figure 1](#). It's size is the same as CPR229 flanges so that standard plastic flange covers (Maury 299-W-313) can be used.

Most Maury components in WR229 waveguide can be provided with the MPF229 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 MPF229R.

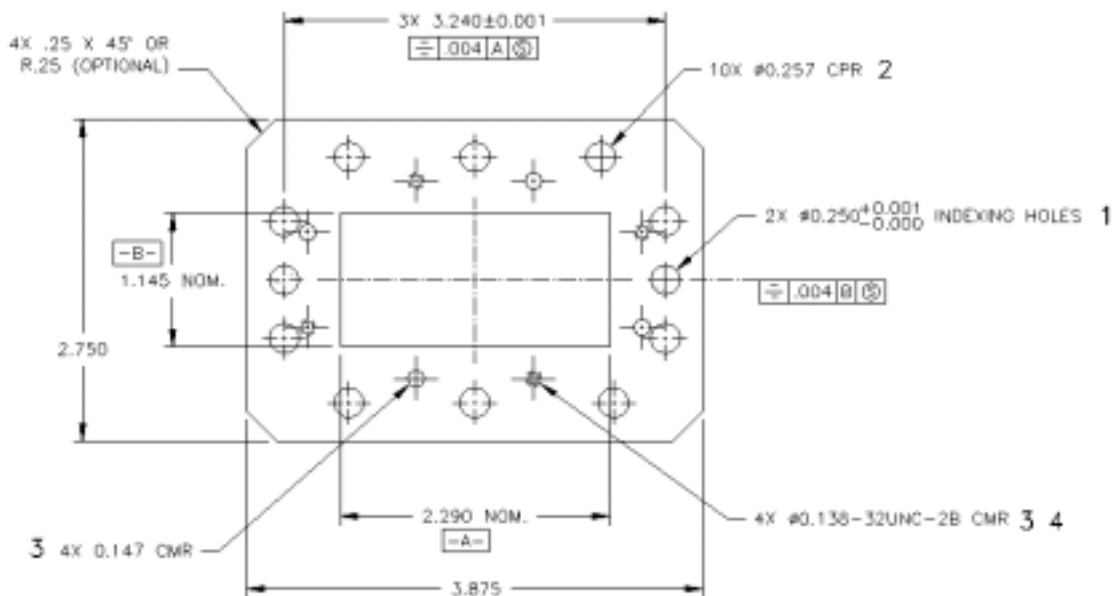


Figure 1

Notes

- 1 Precision indexing holes per Maury DS-2022. (See Maury data sheet 3A-996 for indexing pins).
- 2 EIA CPR flange bolt hole pattern CPR229F & G, per Maury DS-2021 (reference EIA RS-271-A).
- 3 EIA CMR flange bolt hole pattern CMR229, per Maury DS-2027 (reference EIA RS-166).
- 4 As an option 0.147 diameter thru holes can be substituted for the 6-32 tapped holes; specify MPF229A.