

UNIVERSAL WR112 FLANGES

MPF112 INTERFACE DIMENSIONS

Description

Maury Microwave's universal flange for WR112 waveguide components is a precision contact type flange designed to mate with both military cover flanges (UG51/U) and EIA standard contact flanges (CPR112F or G). It is provided with precision indexing hole patterns for both military and EIA flange types. For simplicity of identification, this flange configuration will be designated MPF112.

The MPF112 flange meets the requirements shown in **Figure 1**. It's size is the same as CPR112 flanges so that standard plastic flange covers can be used.

All Maury components in WR112 waveguide can be provided with the MPF112 flange. In addition, ruggedized indexing holes can also be provided. This is where the indexing holes are machined into stainless steel inserts which are press fitted into the flange. This provides excellent wear characteristics. When ruggedized indexing holes are provided, the flange shall be designated MPF112R.

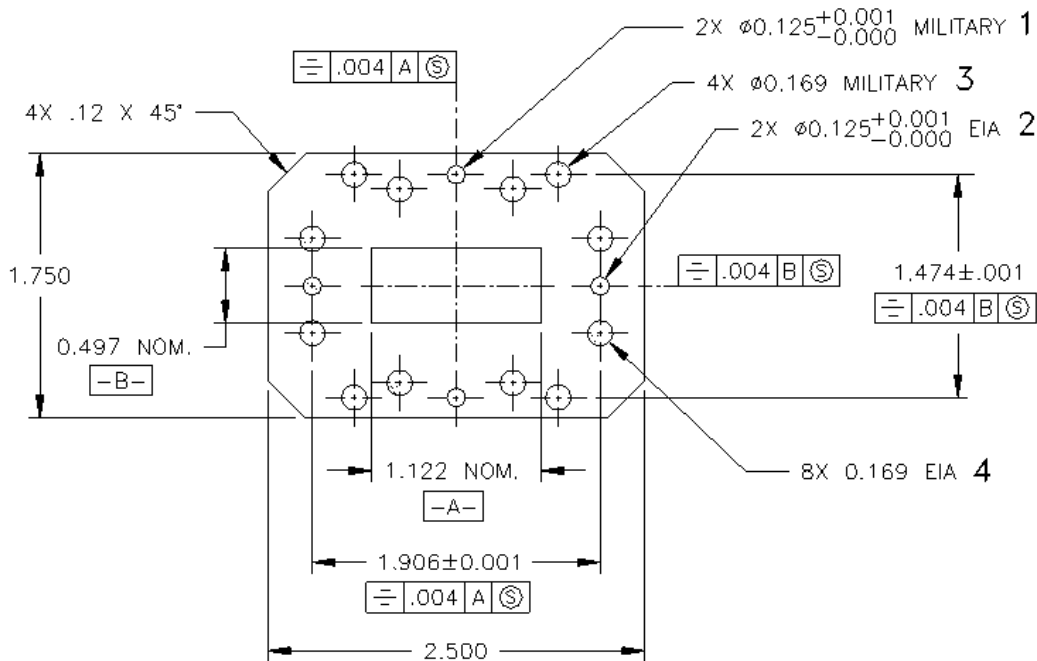


Figure 1

Notes

- 1 Precision indexing holes for military cover flange (UC51/U), Maury DS-059.
- 2 Precision indexing holes for EIA contact flanges (CPR112F & G), Maury DS-2018.
- 3 Military flange bolt hole pattern (UG51/U and UG138/U; reference MIL-F-3922/53).
- 4 EIA flange bolt hole pattern (CPR112F & G; reference EIA RS-271-A).