



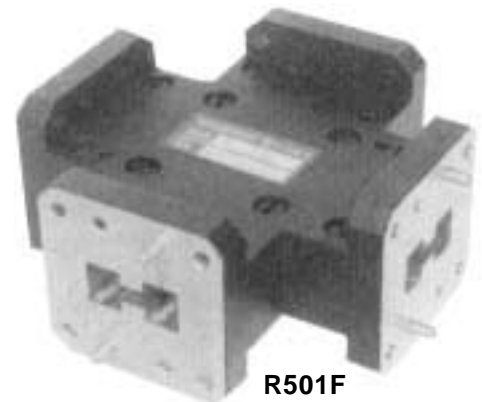
DOUBLE-RIDGE WAVEGUIDE SIDEWALL HYBRIDS R501 SERIES

DATA
SHEET
No.T91A

- OCTAVE BANDWIDTH
- HIGH POWER
- FLAT COUPLING
- 90° PHASE DIFFERENCE



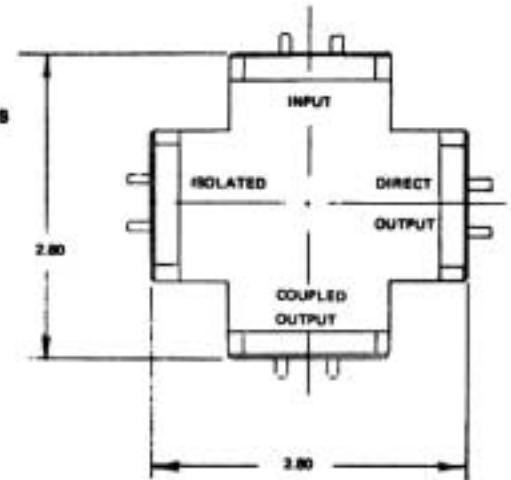
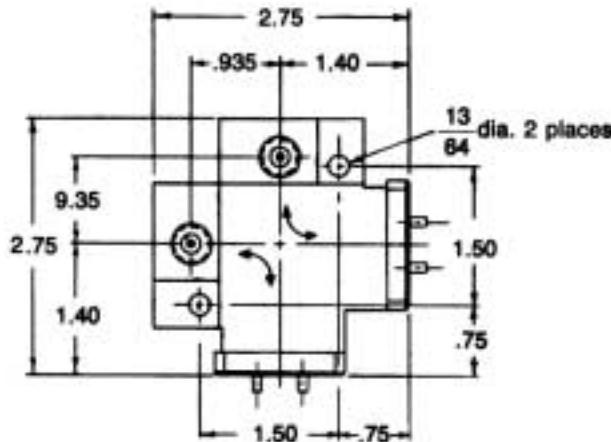
R501



R501F

DESCRIPTION

The MEC Double-Ridge Sidewall Hybrid has been designed to provide a compact high power unit with flat coupling across an octave waveguide band. Precision machining from aluminum provides a durable and lightweight unit. The finish is per MIL-C-5541, painted with a high temperature black epoxy enamel. This design has been qualified for use in military systems.



SPECIFICATIONS

MODEL NUMBER	FREQUENCY	COUPLING dB (GHz)	VSWR	ISOLATION	PHASE DIFFERENCE	POWER
R501	8-16	3.0±.5 (8-15) 3.0±.8 (15-16) 3.0±1.0 (16-17)	1.25	15dB	OUTPUT 90° ± 5°	6KW Peak 400W Average
R501-F	8-16		1.25	15dB		
R501-4	8-16		1.25	15dB		
8501-5	8-17		1.25	15dB		

Waveguide Size: WRD-750D24

Flanges: MEC-750C 1 (Cover type flange with alternate clearance and tapped holes)

NOTES

1. Units may be pressurized to increase peak power level.
2. Units may be supplied with precision TNC female connectors on all ports with slight degradation in VSWR and isolation. Specify as R501T.
3. Other waveguide bands, flanges and special mounting provisions available upon request.

Data subject to change without notice



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