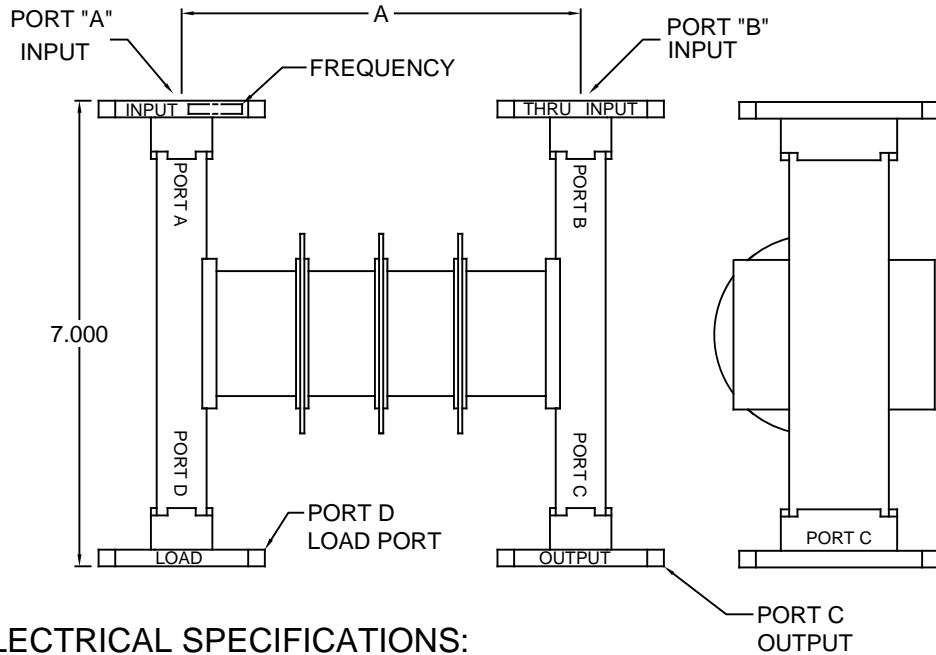


5.3 TO 6.3 INCHES (DEPENDENT ON FREQUENCY)



FEATURES

- * EXCELLENT COMBINING EFFICIENCY
- * HIGH POWER HANDLING
- * LOW INSERTION LOSS & VSWR
- * MULTIPLE CHANNEL COMBINING USING TWO OR MORE IN SERIES.
- * HIGH ISOLATION BETWEEN CHANNELS

MECHANICAL SPECIFICATIONS

MATERIAL - MATING FLANGES BRASS
 FINISH - HIGH TEMPERATURE FLAT BLACK
 FLANGES - WR 159 CPRG (GASKET GROOVED)
 PRESSURE - 10 PSIG MAX
 TOLERANCES - 3 PLACES ± 0.10
 2 PLACES ± 0.20

ELECTRICAL SPECIFICATIONS:

FREQUENCY RANGE

PORT A-C _____ ANY 36 MHz BANDWIDTH
 in the 5.850 to 6.425 GHz Range
 PORT B-C _____ 5850 MHz TO 6425 MHz EXCEPT $F_o \pm 60$ MHz

INSERTION LOSS

PORT A-C _____ 0.45 dB , $F_o \pm 18$ MHz.
 PORT B-C _____ 0.15 dB , $F_o \pm 60$ MHz or More

GROUP DELAY ($F_o \pm 18$ MHz)

PORT A-C _____ 4 nS.
 PORT B-C _____ 2 nS.

VSWR _____ 1.15:1 ALL PORTS

ISOLATION

PORT A TO B _____ 40 dB MIN
 PORT A TO C _____ 25 dB MIN
 ($F_o \pm 60$ MHz)

POWER HANDLING

PORT A TO C _____ 3 KW MAX
 PORT B TO C _____ 10 KW MAX

Microwave Components and Systems Inc 131 Flanders Road, Westborough MA 01581		
DIPLEXER WR-159		
	OUTLINE NO. 4002-0000	REV -
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