

MECHANICAL SPECIFICATIONS

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

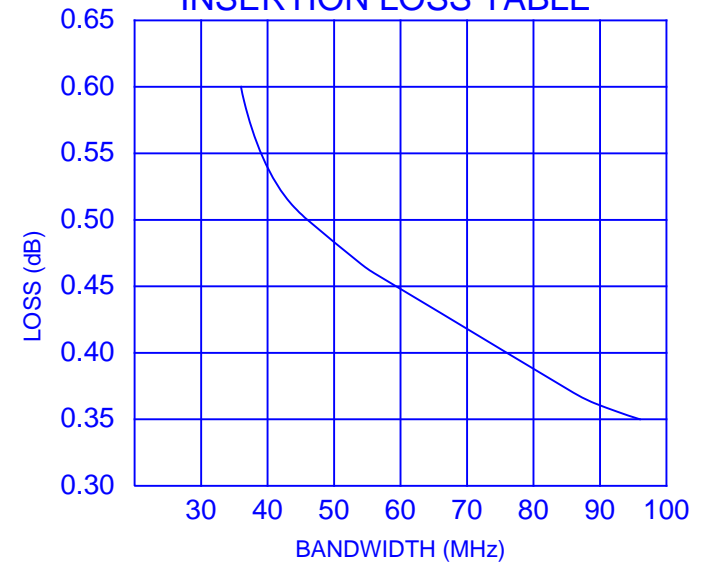
ELECTRICAL SPECIFICATIONS

FREQUENCY	
FILTER INPUT PORT TO OUTPUT (PORT A-C)	_____ Fo (Any Center Frequency 5.850-6.425 GHz)
THRU PORT TO OUTPUT (PORT B-C)	_____ 5.850- 6.425 Ghz except Fo ± 1.5 X BANDWIDTH OR MORE
VSWR (WITH REMAINING PORTS TERMINATED)	
FILTER INPUT PORT TO OUTPUT (PORT A-C)	_____ 1.15 MAX
THRU PORT TO OUTPUT (PORT B-C)	_____ 1.15 MAX
INSERTION LOSS	
FILTER INPUT PORT TO OUTPUT (PORT A-C)	_____ PER GRAPH
THRU PORT TO OUTPUT (PORT B-C)	_____ 0.2 dB
ISOLATION	
FILTER INPUT PORT TO THRU PORT (A-C)	_____ 20 dB MIN
THRU PORT TO FILTER INPUT PORT (A-B)	_____ 40 dB MIN
GROUP DELAY	
FILTER INPUT PORT TO THRU PORT (A-C)	_____ 4.0 NS
THRU PORT TO OUTPUT (PORT B-C)	_____ 2.5 nS IN ANY 40 MHz BANDWIDTH
POWER HANDLING	
PORT A TO C	_____ 3 KW MAX.
PORT B TO C	_____ 15 KW MAX.

FEATURES

- * EXCELLENT COMBINING EFFICIENCY
- * HIGH POWER HANDLING
- * LOW INSERTION LOSS & VSWR
- * MULTIPLE CHANNEL COMBINING USING TWO OR MORE IN SERIES.
- * HIGH ISOLATION BETWEEN CHANNELS
- * WIDE CHOICE OF FILTER BANDWIDTHS
- * CHANNEL SPACING OF 1.5 x BANDWIDTH TO BANDEDGE OF NEXT CHANNEL
- * OTHER CHANNEL SPACING AVAILABLE UPON REQUEST

INSERTION LOSS TABLE



Microwave Components and Systems Inc 131 Flanders Road, Westborough MA 01581		
DIPLEXER WR-159		
OUTLINE NO. 4000-0000	REV -	
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