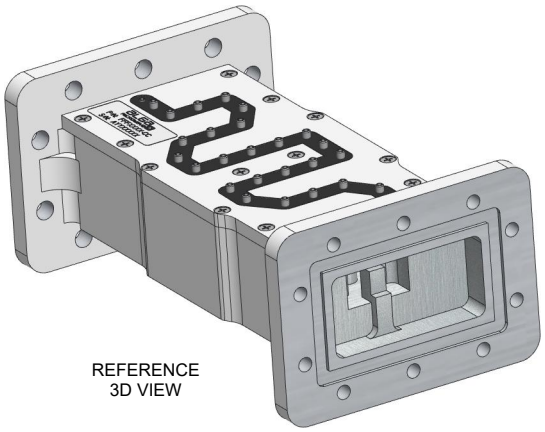
THIS INFORMATION DISCLOSED HEREIN WAS ORIGINATED BY AND IS THE PROPERTY OF ALGA MICROWAVE AND EXCEPT FOR USES EXPRESSLY GRANTED TO A SECOND PARTY, ALGA MICROWAVE RESERVES ALL PATENT, PROPRIETARY, DESIGN, USE, SALE, MANUFACTURING AND REPRODUCTION RIGHTS THERETO. THIS DOES NOT APPLY TO ANY VENDOR PARTS.

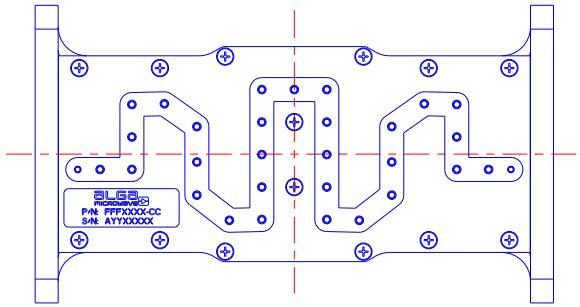
REVISIONS			
REV.	E.C.N.	DATE	APPROVED
A	INITIAL RELEASE	Aug 16, 2019	M.B.
B	ECN-20-0008	Feb 26, 2020	P.B.

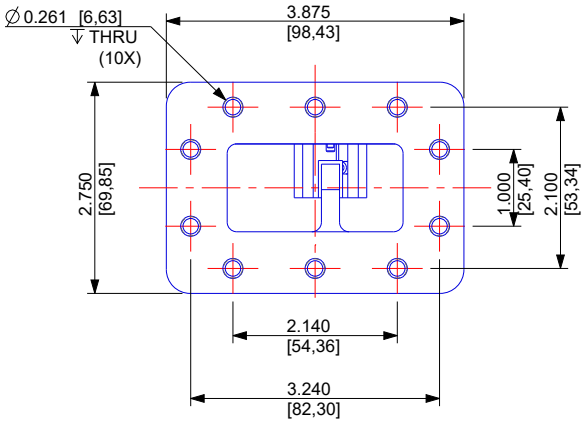
ELECTRICAL PROPERTIES		
GROUP J FILTER	PASSBAND	4020 - 4200 MHz
	GROUP DELAY VARIATION	1.45 nSec MAX Within ±0.5 MHz
	INSERTION LOSS	1.3 dB MAX
	REJECTION	60 dB MIN AT 4000 MHz
		25 dB MIN AT 4230 MHz
	RETURN LOSS	19 dB MIN
GROUP K FILTER	PASSBAND	4000 - 4200 MHz
	GROUP DELAY VARIATION	1.45 nSec MAX Within ±0.5 MHz
	INSERTION LOSS	1.3 dB MAX
	REJECTION	70 dB MIN BELOW 3900 MHz
		60 dB MIN AT 3980 MHz
		50 dB MIN AT 3983MHz (temp drift)
		25 dB MIN ABOVE 4230 MHz
	RETURN LOSS	20 dB MIN

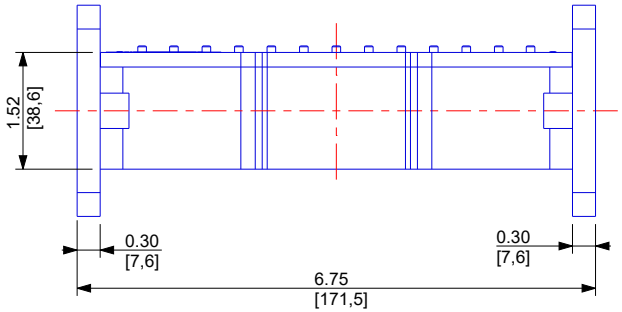
MECHANICAL PROPERTIES	
INTERFACES	FLANGE: UDR40 CPR-229 FLAT FLANGE: PDR40 CPR-229 GROOVED
MATERIAL	ALUMINUM 6061
FINISH	FLANGES: CHEMICAL CONVERSION WAVEGUIDE: SILVER PLATE EXTERIOR: MATTE WHITE PAINT
WEIGHT	2.2 Lbs [998g]

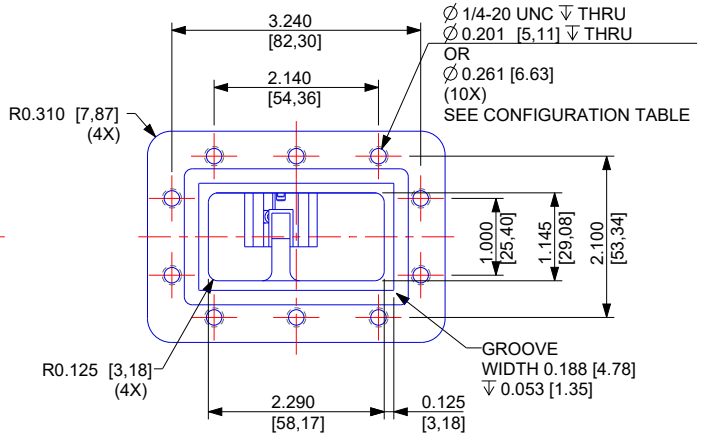
ENVIRONMENTAL PROPERTIES	
OPERATING TEMP	0°C TO +50°C



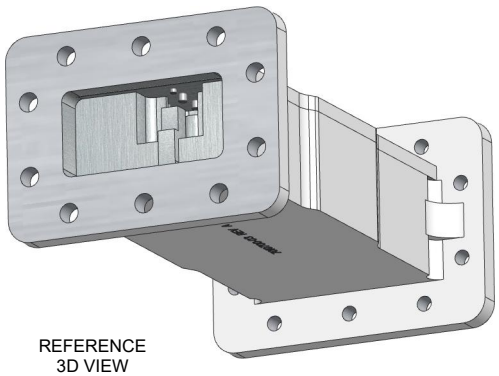


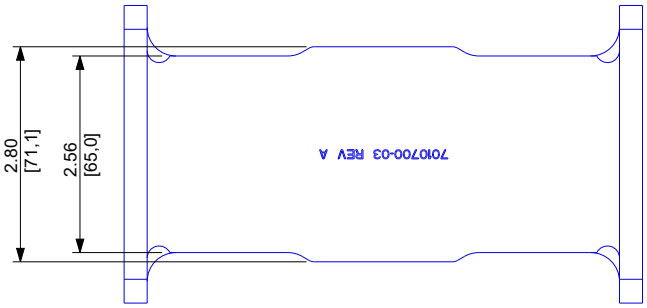






CONFIGURATION TABLE	
2100318-03-X1	TAP HOLE ∅1/4-20 UNC (10X) & THRU HOLE ∅0.261 [6.63] (10X)
2100318-03-X2	THRU HOLE ∅0.261 [6.63] (20X) BOTH SIDES





LEGEND: 2100318-03-XX

GROUP OPTION — FLANGE HOLES OPTION

INCH [MILLIMETER]

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES AS PER DECIMALS X ±0.01 .XXXX ±0.001 .XX ±0.005 .XXXXX ±0.0005 .XXX ±0.002 DEGREES ±0° 30' DO NOT SCALE DRAWING	FORMAT SIZE : A		alga microwave
DRAWN : M.Sobol	DATE : Aug 16, 2019	TITLE :	Filter 4GHz WR229 Group J K
CHECKED : M.B.	DATE :	PART NUMBER :	SEE CONFIGURATION TABLE
ENGINEERED : M.B. / P.B.	DATE :	DRAWING NUMBER :	OD-2100318-03-XX
APPROVED : P.B.	DATE :	CAGE CODE :	SCALE : 0.400 / SHEET : 1 OF 1

FM002-A1 Rev E

10 9 8 7 6 5 4 3 2 1

H G F E D C B A