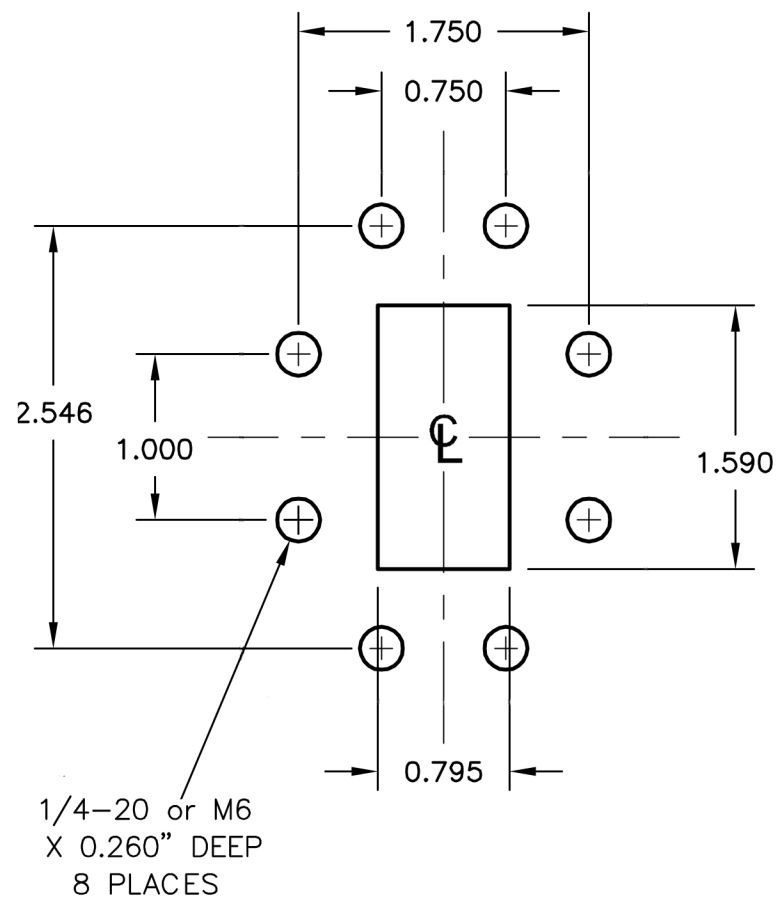
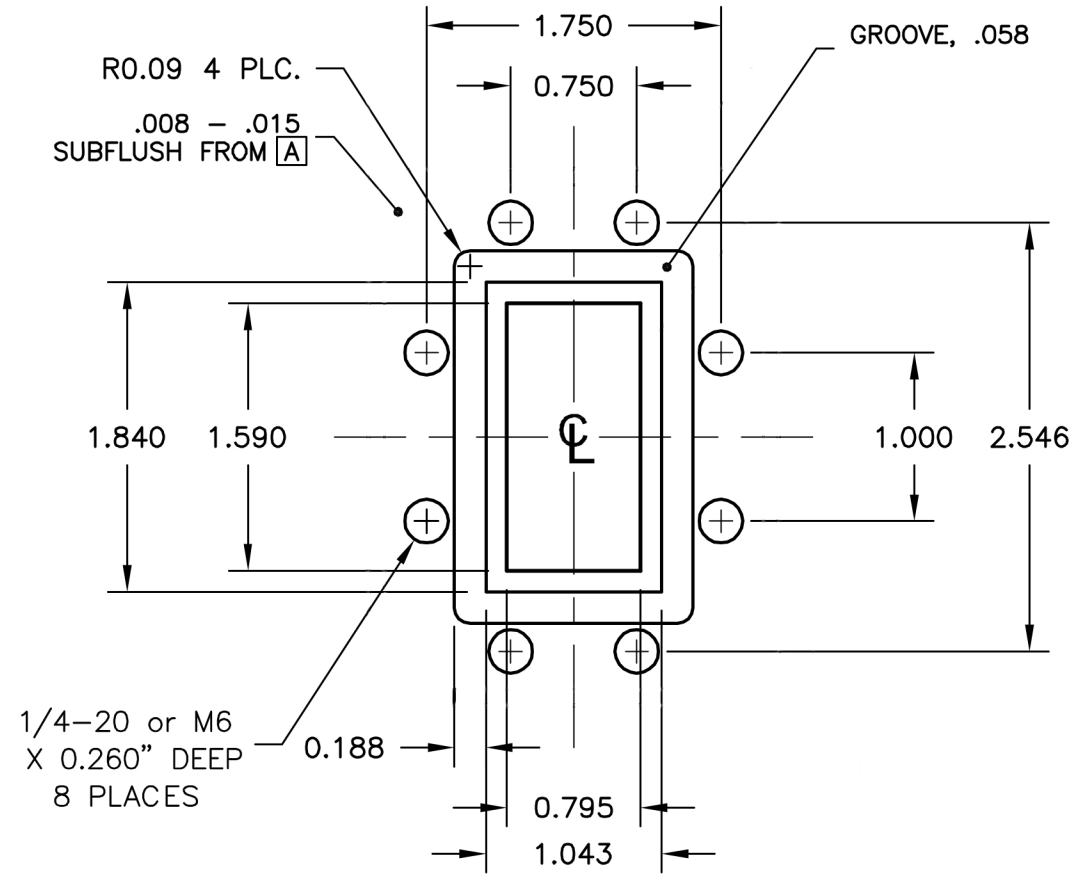


D
C
B
A



WR159 CPR FLANGE
ORDER CODE: AST159R or AST159RM (METRIC)



WR159 CPRG FLANGE
ORDER CODE: AST159G or AST159GM (METRIC)



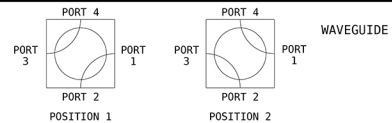
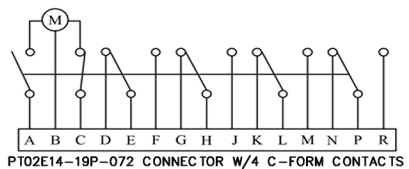
REVISIONS		APPROVALS			
SYM	DESCRIPTION	DATE	ENGRG	PROD	Q.A.

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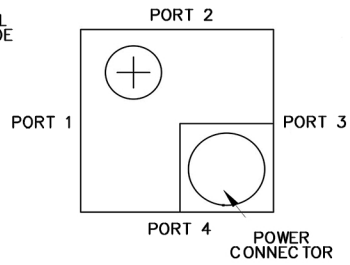
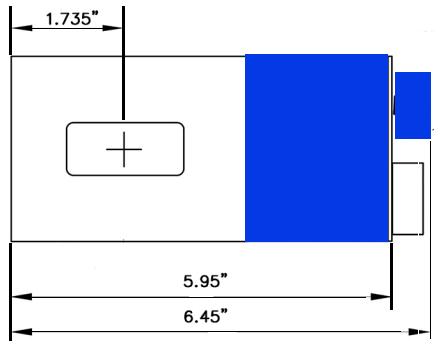
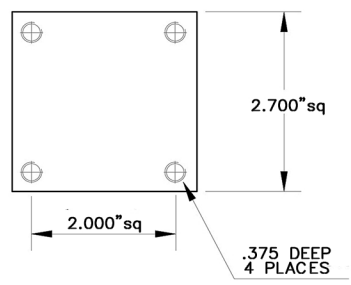
BREAK ALL CORNERS AND SHARP EDGES

UNLESS OTHERWISE SPECIFIED	DRAWN	MC	05/27/2017
FRACTIONAL ± 1/32	CHECKER		
DECIMAL .XXX ± .010	MECH. ENGR.		
ANGULAR .XX ± .020	ELEC. ENGR.		
DO NOT SCALE	PROJ. ENGR.		
MATERIAL: NOTED SPEC:	CHIEF ENGR.		
FINISH: NOTED SPEC:			

WR159 FLANGES	
SCALE	



REVISIONS				APPROVALS		
SYM	DESCRIPTION	DATE	ENGRG	PROD	O. A.	



1.0 ELECTRICAL

- 1.1 OPERATING FREQUENCY: 4.9 – 7.05 GHZ
- 1.2 RETURN LOSS: -30DB MIN
- 1.3 ISOLATION: 70DB MIN
- 1.4 INSERTION LOSS: .05DB MAX
- 1.5 POWER HANDLING: 5KW CW
- 1.6 DRIVING VOLTAGE: OPTIONAL
- 1.7 C-FORM CONTACTS: 4 IN STD UNIT
- 1.8 INHIBIT CONTACTS: OPTIONAL (OPEN BEFORE VSWR EXCEEDS 1.3:1)
- 1.9 SWITCHING TIME: 100 MSEC MAX
- 1.10 POWER CONNECTOR: OPTIONAL

2.0 MECHANICAL

- 2.1 WAVEGUIDE SIZE: WR159
- 2.2 FLANGE: OPTIONAL
- 2.3 PRESSURE: 20 PSI (INCLUDING DRIVER)
- 2.4 MATERIAL: 80% ALUMINUM
- 2.5 FINISH: LUSTERON ON WAVEGUIDE, ANODIZE ON DRIVER
- 2.6 WEIGHT: .650 KG

3.0 ENVIRONMENTAL

- 3.1 OPERATING TEMP: -40° TO +75° C
- 3.2 NON OPERATING TEMP: -50° TO +100° C
- 3.3 HUMIDITY: 100%
- 3.4 SHOCK & VIBRATION: STD SHIPPING

DRIVER DETAILS **VOLTAGE DETAILS**

WAVEGUIDE DETAILS

G CPRG	R CPR	M Metric
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S Side Connector	W Weather	L Lock	19P 19 pin	10P 10 pin	6P 6 pin	Special wiring. See Wiring Diagrams
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M Manual	P Positive	N Negative
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AST 159

Waveguide Size Flange Thread (omit for NA threads) Option 1 (omit if not needed) Option 2 (omit if not needed) Connector option Option 3 (omit if not needed) Voltage Option Voltage (omit for manual)

Note: 10P & 6P Come with miniature drive head

BREAK ALL CORNERS AND SHARP EDGES

UNLESS OTHERWISE SPECIFIED	DRAWN	MC	05/21/2017
FRACTIONAL ± 1/32	CHECKER		
DECIMAL .xxx ± .010	MECH. ENGR.		
ANGULAR .xx ± 1/2°	ELEC. ENGR.		
	PROJ. ENGR.		
	CHEF ENGR.		

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WAVEGUIDE SWITCH
WR 159



AST MICROWAVE