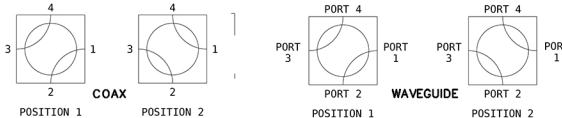
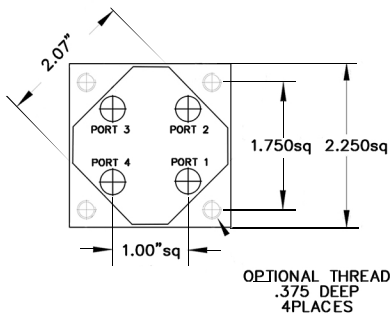


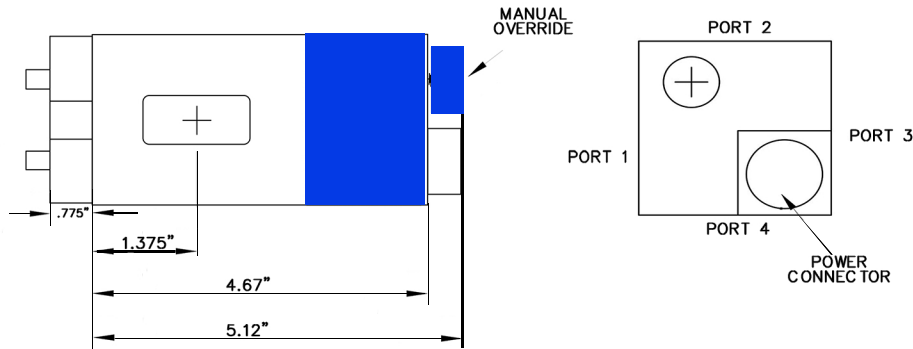
PT02E14-19P-072 CONNECTOR W/4 C-FORM CONTACTS



REVISIONS				APPROVALS		
SYM	DESCRIPTION	DATE	ENGRG	PROD	Q. A.	



OPTIONAL THREAD
.375 DEEP
4PLACES



1.0 ELECTRICAL

1.1 OPERATING FREQUENCY (WAVEGUIDE): 5.85 - 8.2 GHz

RETURN LOSS: -30DB MIN

ISOLATION: 60DB MIN

INSERTION LOSS: .05DB MAX

COAXIAL

Frequency (GHz)	0-2	1-3	3.5-4.2	5.85-8.2	10.7-14.5	17.0-18.4
VSWR	1.10	1.15	1.25	1.30	1.35	1.50
Insertion Loss (dB)	0.05	0.10	0.25	0.30	0.35	0.5
Isolation (dB)	80	70	60	60	50	50

- 1.3 ISOLATION WAVEGUIDE TO COAX: 120DB
- 1.4 POWER HANDLING (WAVEGUIDE) 5KW CW
- 1.5 DRIVING VOLTAGE: OPTIONAL
- 1.6 C-FORM CONTACTS: 4 IN STD UNIT
- 1.7 INHIBIT CONTACTS: OPTIONAL
- 1.8 SWITCHING TIME: 100 MSEC MAX
- 1.9 POWER CONNECTOR: OPTIONAL

2.0 MECHANICAL

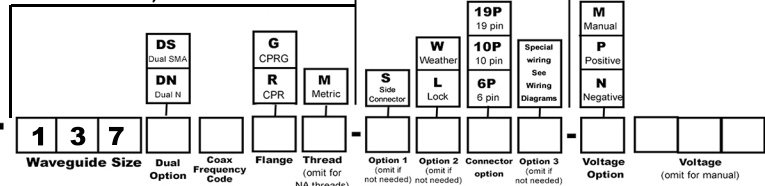
- 2.1 WAVEGUIDE SIZE: WR137
- 2.2 FLANGE: OPTIONAL
- 2.3 COAXIAL CONNECTORS: TYPE-N OR SMA
- 2.4 PRESSURE: 20 PSI (INCLUDING DRIVER)
- 2.5 MATERIAL: 80% ALUMINUM
- 2.6 FINISH: LUSTERON ON WAVEGUIDE, ANODIZE ON DRIVER
- 2.7 WEIGHT: .920 KG

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

AST

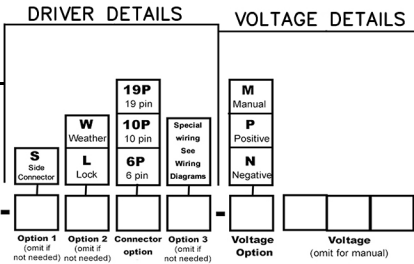
WAVEGUIDE/COAX DETAILS



Code	1	2	3	4	5	6
Connector	N or SMA	N or SMA	N or SMA	N or SMA	SMA only	SMA only
Freq Range (GHz)	DC - 2.0	1.0 - 3.0	3.5 - 4.2	5.85 - 8.2	10.7 - 14.5	17.0 - 18.4

BREAK ALL CORNERS AND SHARP EDGES

UNLESS OTHERWISE SPECIFIED	DRAWN	MC	05/21/2017
FRACTIONAL ± 1/32	CHECKER		
DECIMAL .XXX ± .010	DO NOT SCALE		
ANGULAR .XX ± .020			
ANGULAR .XX ± 1/2°			
MATERIAL: NOTED SPEC:	MECH. ENGR.		
	ELEC. ENGR.		
	PROJ. ENGR.		
FINISH: NOTED SPEC:	CHEF ENGR.		



DUAL WAVEGUIDE/COAX SWITCH
WR 137

SCALE

SHEET 1 OF 1