

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	2/20/09	K.R.
B	REVISED PER ECO #10803	4/18/14	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	402P-620332
15 Vdc	402P-690332
24 Vdc	402P-680332
28 Vdc	402P-630332

REVISIONS	B	B	B			
SHEET NO.	1	2	3			
APPROVALS			DATE			
DRAWN	S. LEE		2/19/09			
ENG	S. LEE		2/19/09			
ENG. MGR.	G. NICKLAUS		2/19/09			
SALES MGR.	A. CHEUNG		2/19/09			
Q.A. MGR.	S. LYNCH		2/19/09			
MFG. MGR.	R. GONZALEZ		2/19/09			



DowKey®
Microwave
CORPORATION

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A **DOVER** TECHNOLOGIES COMPANY

SWITCH, SPDT, FAILSAFE, SUPPRESSION DIODE
TNC-FEMALE CONNECTORS, INDICATORS
MS3113H-10-6P DC CONNECTOR

CODE IDENT. NO.

00471

DWG. NO.

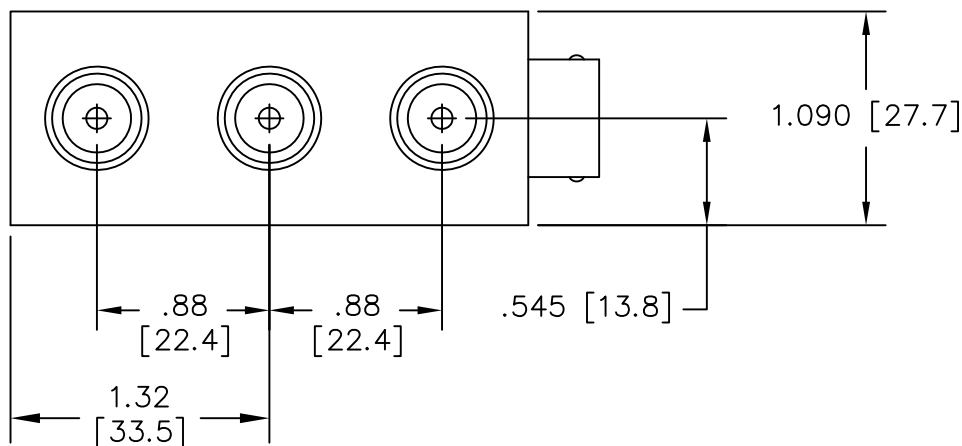
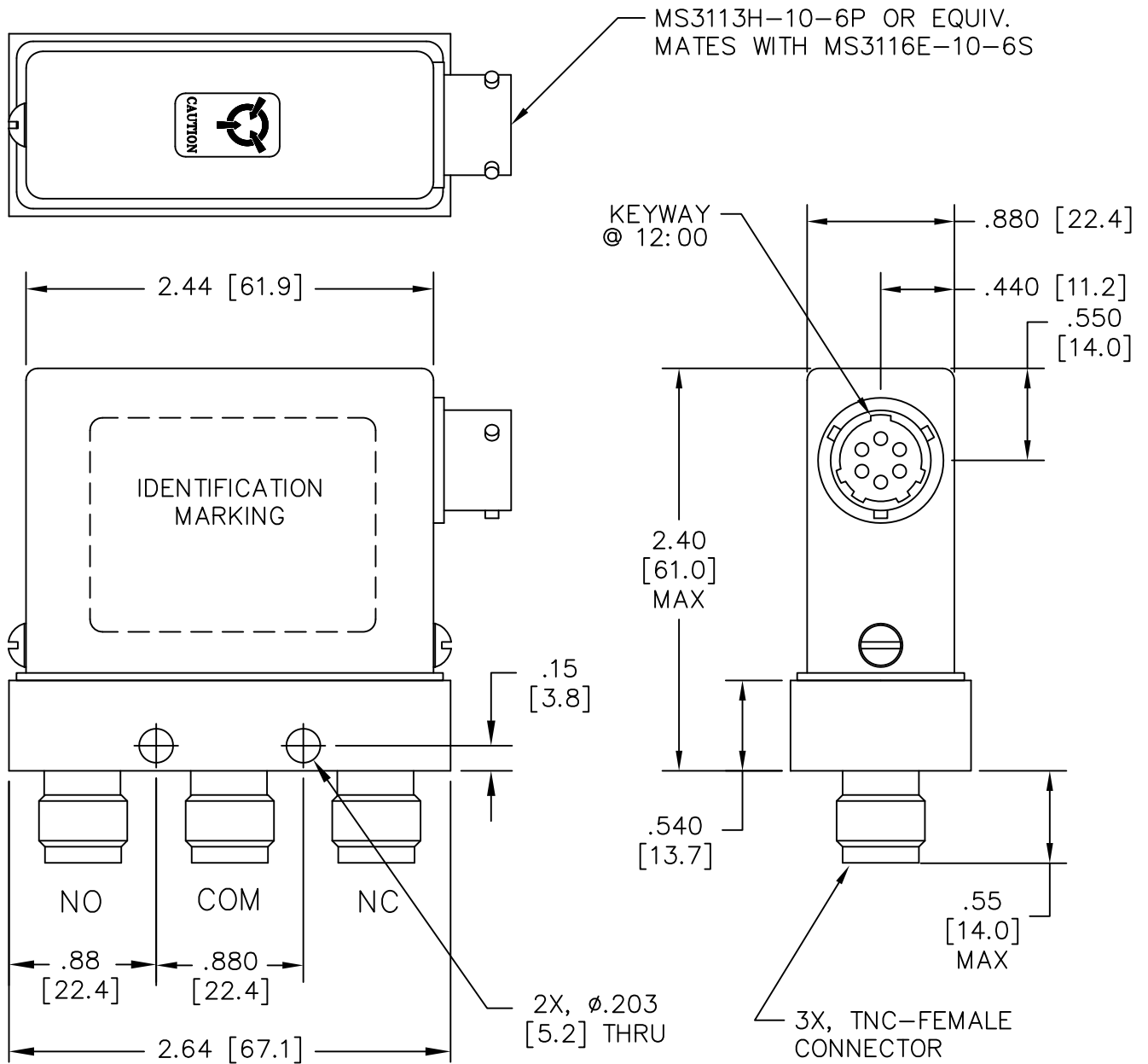
402P-6X0332

SCALE NONE

FINAL ASSY:

SHEET 1 OF 3

OUTLINE DRAWING:



[] MILLIMETERS

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:
.XXX ±.010 ANGLES: ±3'
.XX ±.030

CODE IDENT. NO.
00471

DWG. NO.

402P-6X0332

REV.
B

SCALE NONE

SHEET 2 OF 3

SPECIFICATIONS:

1. RF CHARACTERISTICS:

1.1 FREQUENCY (GHz):	DC-1	1-2	2-4	4-8	8-12.4
1.2 VSWR (RATIO MAX):	1.15:1	1.20:1	1.25:1	1.45:1	1.50:1
1.3 INSERTION LOSS (dB MAX):	0.15	0.20	0.25	0.40	0.50
1.4 ISOLATION (dB MIN):	85	80	70	60	60
1.5 RF POWER (WATTS CW MAX):	600	400	300	200	175

2. ACTUATION DATA:

2.1	NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (TYP) @ NOMINAL VOLTAGE & 25°C
	12	11-14	260mA
	15	13-17	230mA
	24	20-28	145mA
	28	24-32	110mA

2.2 SWITCHING TIME: 20ms MAX

2.3 OPERATING MODE: FAILSAFE

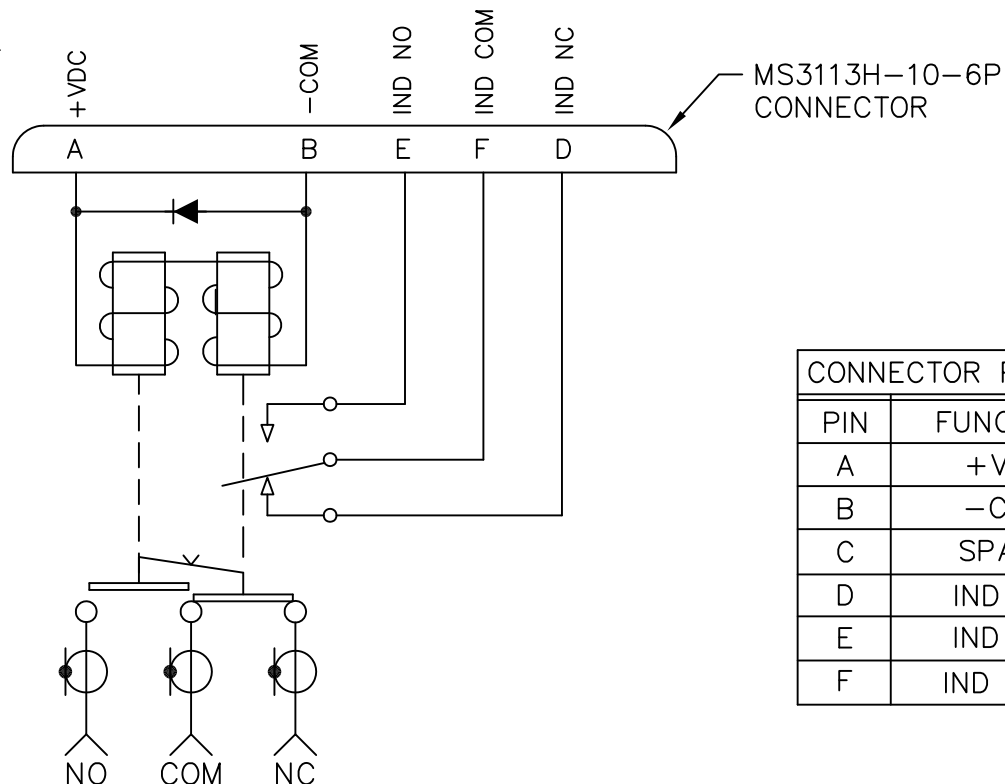
3. MECHANICAL:

- 3.1 RF CONTACTS: BREAK BEFORE MAKE
- 3.2 WEIGHT: 9.0oz. (255g.) NOMINAL
- 3.3 DESIGN LIFE: 1,000,000 CYCLES MIN

4. ENVIRONMENTAL:

- 4.1 OPERATING TEMPERATURE: -25°C TO +65°C
- 4.2 STORAGE TEMPERATURE: -55°C TO +85°C
- 4.3 SEAL: GASKET SEAL

SCHMATIC:



CONNECTOR PINOUT	
PIN	FUNCTION
A	+VDC
B	-COM
C	SPARE
D	IND NC
E	IND NO
F	IND COM

SHOWN IN THE DE-ENERGIZED
FAILSAFE POSITION

CODE IDENT. NO. 00471	DWG. NO. 402P-6X0332	REV. B
SCALE NONE	SHEET 3 OF 3	