

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	12/21/06	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	412P-620332
15 Vdc	412P-690332
24 Vdc	412P-680332
28 Vdc	412P-630332

REVISIONS	A	A	A			
SHEET NO.	1	2	3			
APPROVALS			DATE			
DRAWN	S. LEE		12/21/06			
ENG	G. NICKLAUS		12/21/06			
ENG. MGR.	S. LEE		12/21/06			
SALES MGR.	J. TRUJILLO		12/21/06			
Q.A. MGR.	N. SANDERS		12/21/06			
MFG. MGR.	R. GONZALEZ		12/21/06			



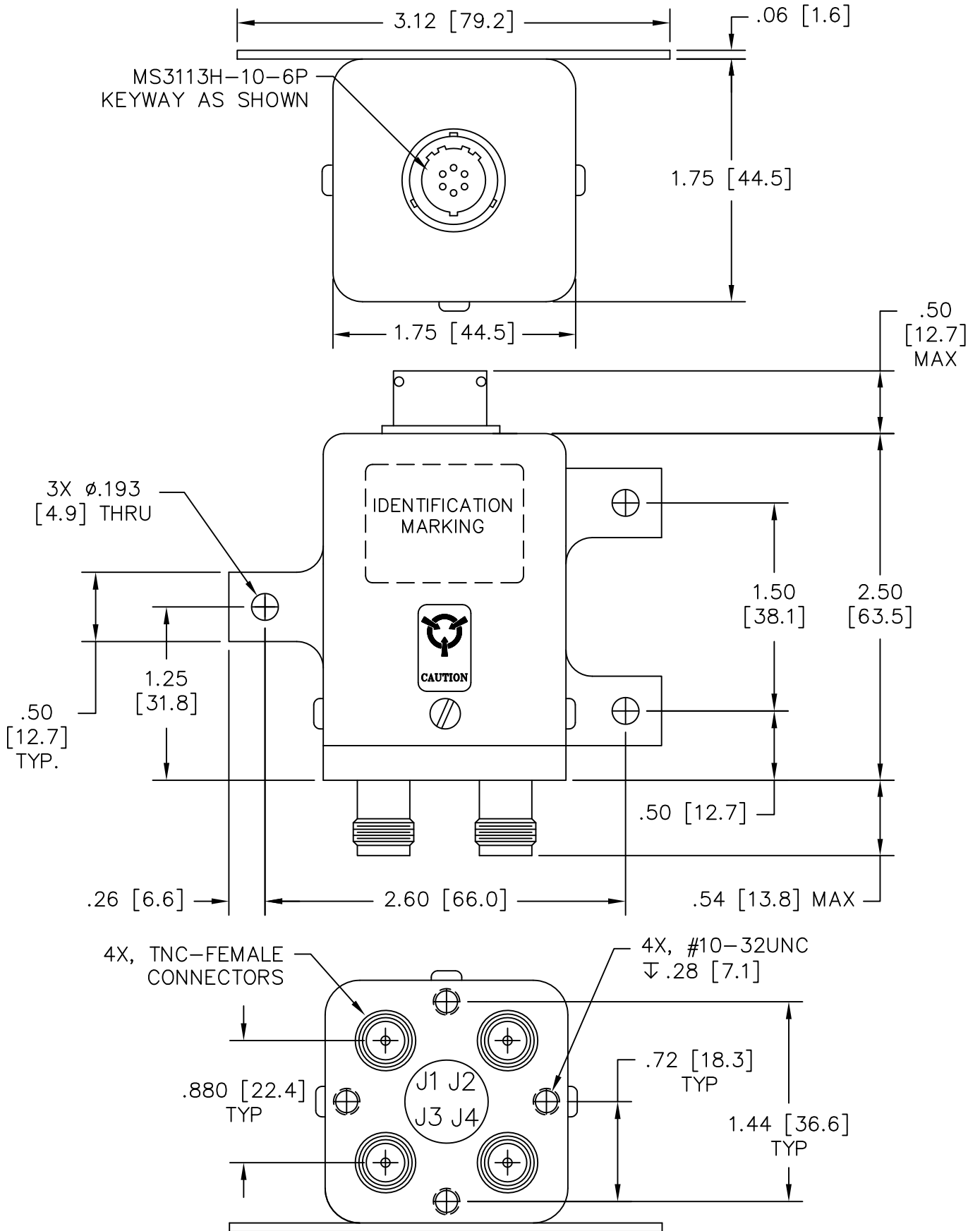
**DowKey**®  
**Microwave**  
CORPORATION

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A **DOVER** TECHNOLOGIES COMPANY

SWITCH, TRANSFER, FAILSAFE, SUPPRESSION DIODE TNC-FEMALE CONNECTORS, INDICATORS MS3113H-10-6P CONNECTOR		
CODE IDENT. NO. 00471	DWG. NO. 412P-6X0332	
SCALE NONE	FINAL ASSY:	SHEET 1 OF 3

**OUTLINE DRAWING:**



[ ] MILLIMETERS

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:  
.XXX  $\pm$ .010 ANGLES:  $\pm$ 3'  
.XX  $\pm$ .030

CODE IDENT. NO.  
00471

DWG. NO.

412P-6X0332

REV.  
A

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	1.60:1
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):	500	350	250	150	120

## 2. ACTUATION DATA:

2.1

NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (TYP) @ NOMINAL VOLTAGE & 25°C
12	11-14	300mA
15	13-17	250mA
24	20-28	190mA
28	24-32	175mA

- 2.2 SWITCHING TIME: 20ms MAX  
 2.3 OPERATING MODE: FAILSAFE, SUPPRESSION DIODE

## 3. MECHANICAL:

- 3.1 RF CONTACTS: BREAK BEFORE MAKE  
 3.2 WEIGHT: 14oz. (397g.) NOMINAL  
 3.3 DESIGN LIFE: 1,000,000 CYCLES MIN

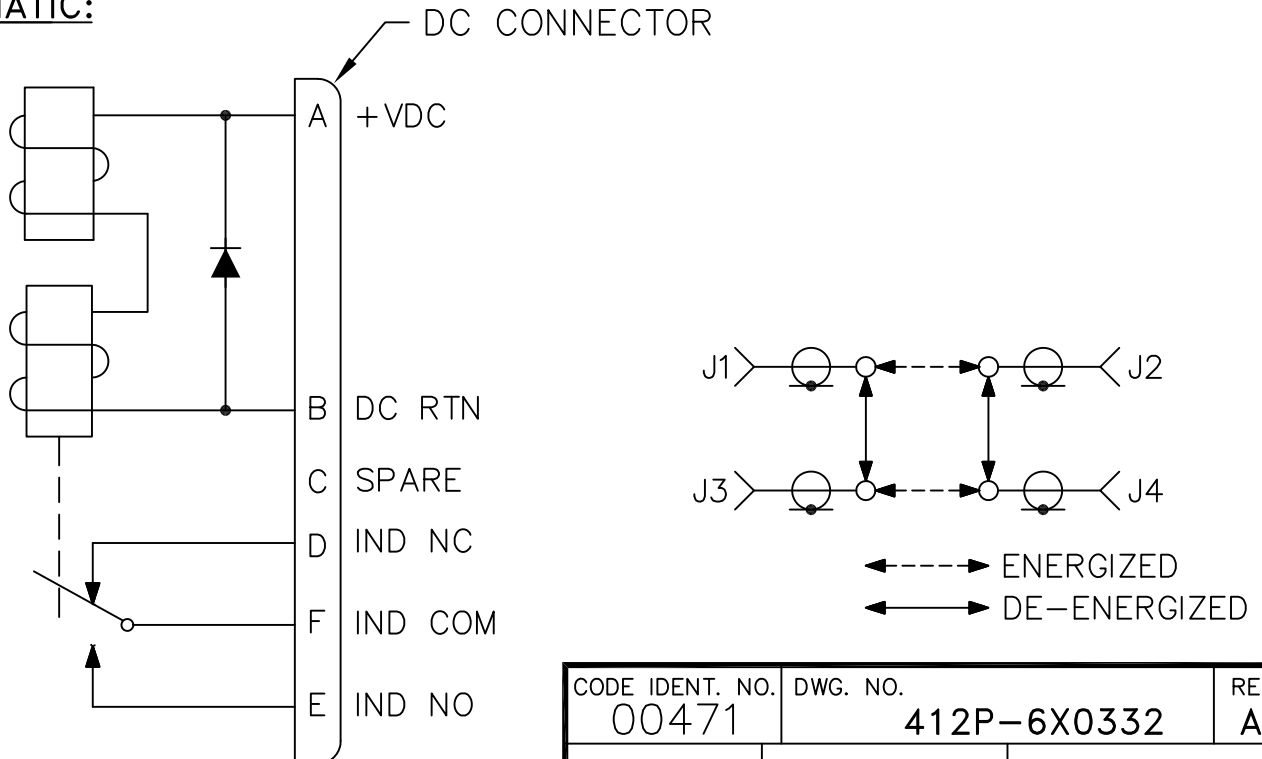
## 4. ENVIRONMENTAL:

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

## 5. FINISH:

- 5.1 RF CAVITY: ALUMINUM, ELECTROLESS NICKEL  
 5.2 ENCLOSURE: ALUMINUM, ELECTROLESS NICKEL  
 5.3 RF CONNECTOR SHELLS: CRES PASSIVATE

# SCHEMATIC:



CODE IDENT. NO. 00471	DWG. NO. 412P-6X0332	REV. A
SCALE NONE	SHEET 3 OF 3	