

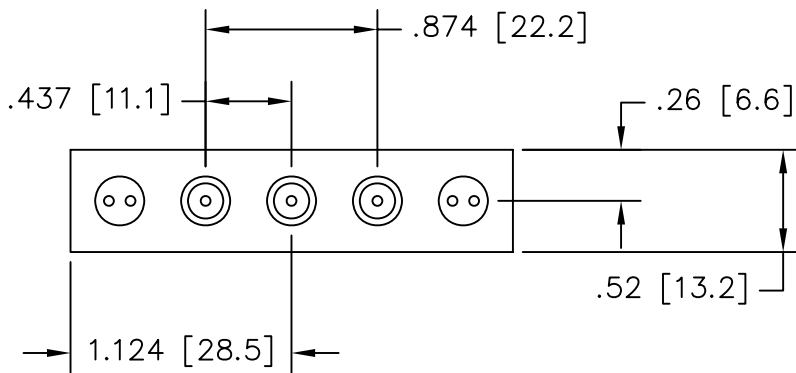
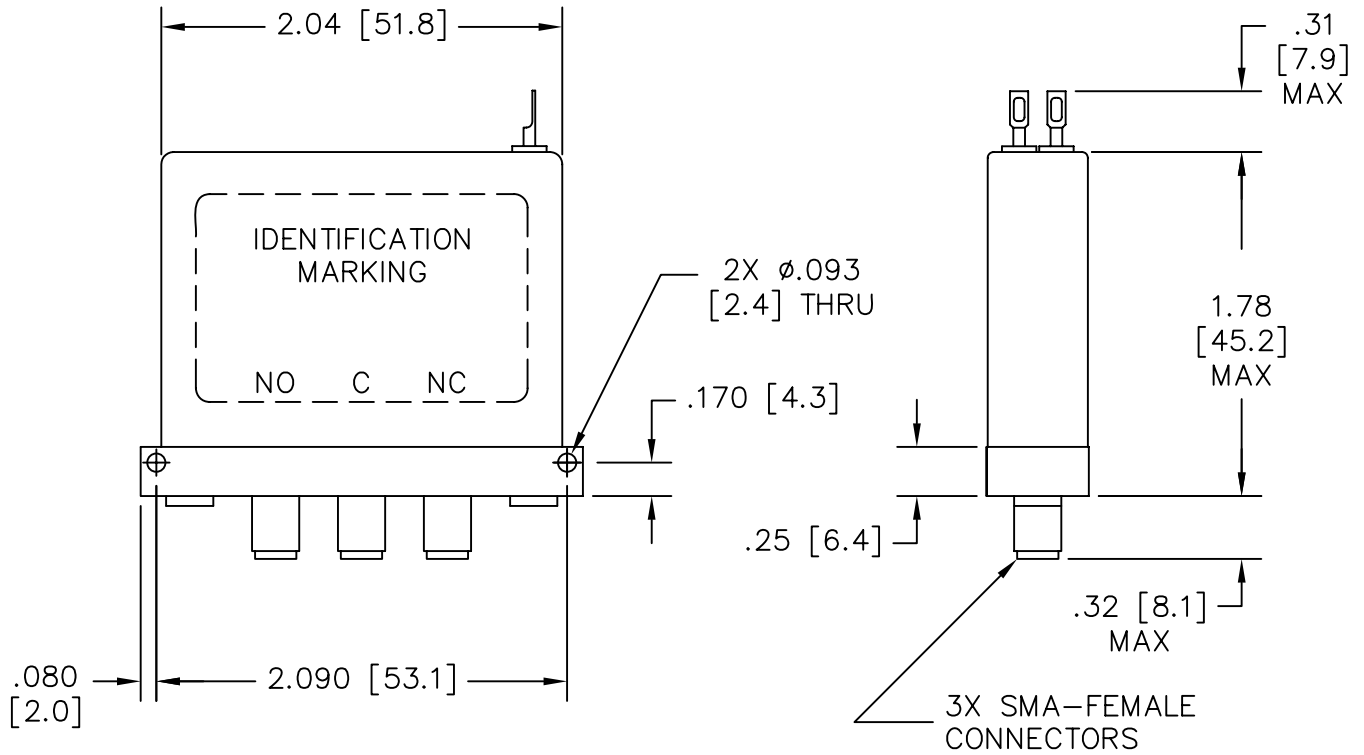
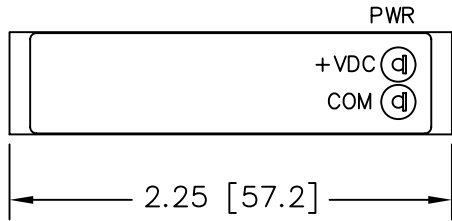


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	12/19/07	K.R.
B	REVISED PER ECO #9231	5/8/08	K.R.
C	REVISED OPERATING VOLTAGE PER ECO 9485	12/09/08	K.R.

Nominal Coil Voltage	Part Number
12 Vdc	521U-220803
24 Vdc	521U-280803
28 Vdc	521U-230803

REVISIONS	C	C	C				 <b>DowKey® Microwave CORPORATION</b>	4822 McGrath Street Ventura, CA. 93003-5641 PH: (805) 650-0260 FAX: (805) 650-1734
SHEET NO.	1	2	3					
APPROVALS		DATE					 SWITCH, SPDT, FAILSAFE, SMA-FEMALE CONNECTORS, 50 OHM [2W] TERMINATIONS, 5 MILLION CYCLE	
DRAWN	S. LEE	12/17/07						
ENG	D. SUN	12/19/07						
ENG. MGR.	G. NICKLAUS	12/19/07						
SALES MGR.	A. CHEUNG	12/19/07						
Q.A. MGR.	R. MATSUMOTO	12/19/07						
MFG. MGR.	R. GONZALEZ	12/19/07					CODE IDENT. NO. 00471	DWG. NO. 521U-2X0803
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.  
 521U-2X0803

REV.  
 C

SCALE NONE

SHEET 2 OF 3

## SPECIFICATIONS:

### 1. RF CHARACTERISTICS:

1.1 FREQUENCY (GHz):	DC-1	1-4	4-8	8-12	12-18
1.2 VSWR (RATIO MAX):	1.10:1	1.15:1	1.20:1	1.30:1	1.35:1
1.3 INSERTION LOSS (dB MAX):	0.10	0.15	0.20	0.30	0.35
1.4 ISOLATION (dB MIN):	85	80	70	65	60
1.5 RF POWER (WATTS CW MAX):	200	125	90	75	60

### 2. ACTUATION DATA:

2.1	NOMINAL VOLTAGE	OPERATING VOLTAGE	CURRENT (MAX) @ NOMINAL VOLTAGE & 25°C
	12	11-16	450mA
	24	20-28	225mA
	28	24-32	200mA

2.2 SWITCHING TIME: 15ms MAX

2.3 OPERATING MODE: FAILSAFE

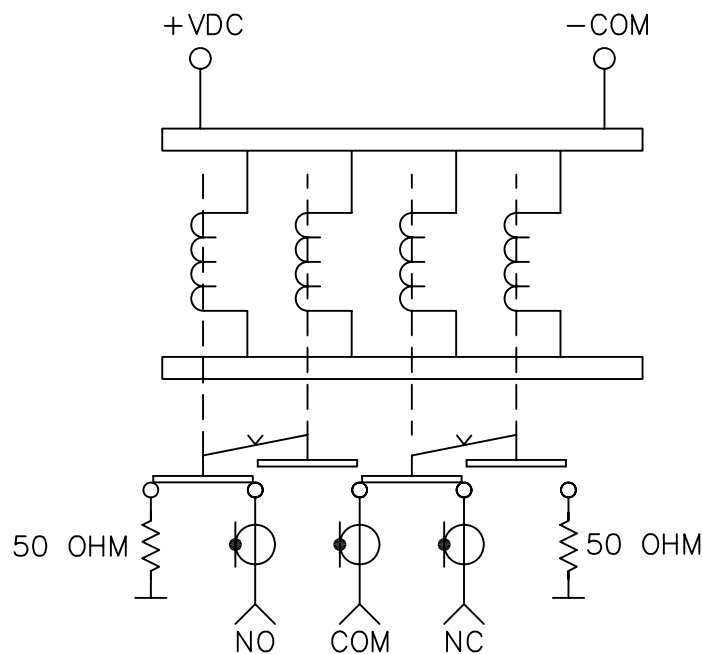
### 3. MECHANICAL:

3.1 RF CONTACTS:	BREAK BEFORE MAKE
3.2 WEIGHT:	2.5oz. (71g.) NOMINAL
3.3 DESIGN LIFE:	5,000,000 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:	EPOXY SEALED

## SCHEMATIC:



SWITCH SHOWN IN THE DE-ENERGIZED POSITION

CODE IDENT. NO. 00471	DWG. NO. 521U-2X0803	REV. C
SCALE NONE	SHEET 3 OF 3	