

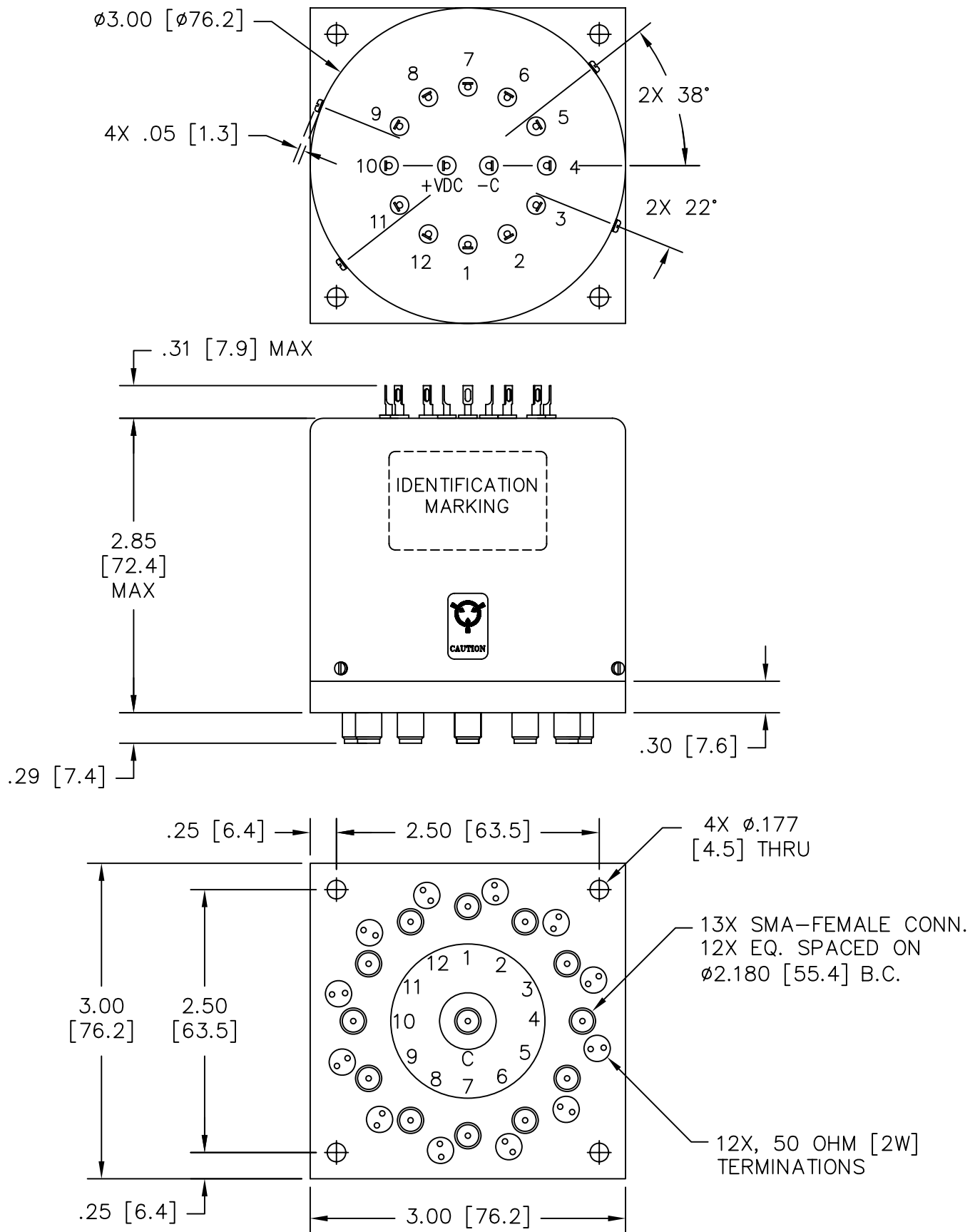


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PRODUCTION RELEASE	3/8/06	J.S.

Nominal Coil Voltage	Part Number
12 Vdc	5C1-420803
24 Vdc	5C1-480803
28 Vdc	5C1-430803

REVISIONS	A	A	A				 <b>DowKey<sup>®</sup> 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, 12 POSITION, LATCHING SELF CUT-OFF SMA-FEMALE CONNECTORS, 50 OHM [2W] TERMINATIONS	
DRAWN	S. LEE		3/2/06					
ENG	G. NICKLAUS		3/2/06					
ENG. MGR.	R. SZNUK		3/2/06					
SALES MGR.	V. HARTER		3/8/06					
Q.A. MGR.	R. MATSUMOTO		3/6/06					
MFG. MGR.	R. GONZALEZ		3/6/06				CODE IDENT. NO. 00471	DWG. NO. 5C1-4X0803
SCALE			NONE		FINAL ASSY:		SHEET 1 OF 3	

**OUTLINE DRAWING:**



[ ] MILLIMETERS

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

CODE IDENT. NO.  
00471

DWG. NO.

5C1-4X0803

REV.  
A

SCALE NONE

SHEET 2 OF 3

## SPECIFICATIONS:

### 1. RF CHARACTERISTICS:

1.1 FREQUENCY (GHz):	DC-4	4-8	8-12.4	12.4-18
1.2 VSWR (RATIO MAX):	1.20:1	1.40:1	1.50:1	1.80:1
1.3 INSERTION LOSS (dB MAX):	0.20	0.40	0.60	0.80
1.4 ISOLATION (dB MIN):	70	65	60	60
1.5 RF POWER (WATTS CW MAX):	100	70	60	50

### 2. ACTUATION DATA:

2.1	NOMINAL VOLTAGE	OPERATING VOLTAGE	COIL CURRENT (MAX) @ NOMINAL VOLTAGE & 25°C
	12	11-14	650mA
	24	20-28	500mA
	28	24-32	500mA

2.2 SWITCHING TIME:	30ms MAX
2.3 OPERATING MODE:	LATCHING, SELF CUT-OFF
2.4 SINK CURRENT:	500uA @ 0-0.8Vdc
2.5 BIAS CURRENT:	15mA MAX

### 3. MECHANICAL:

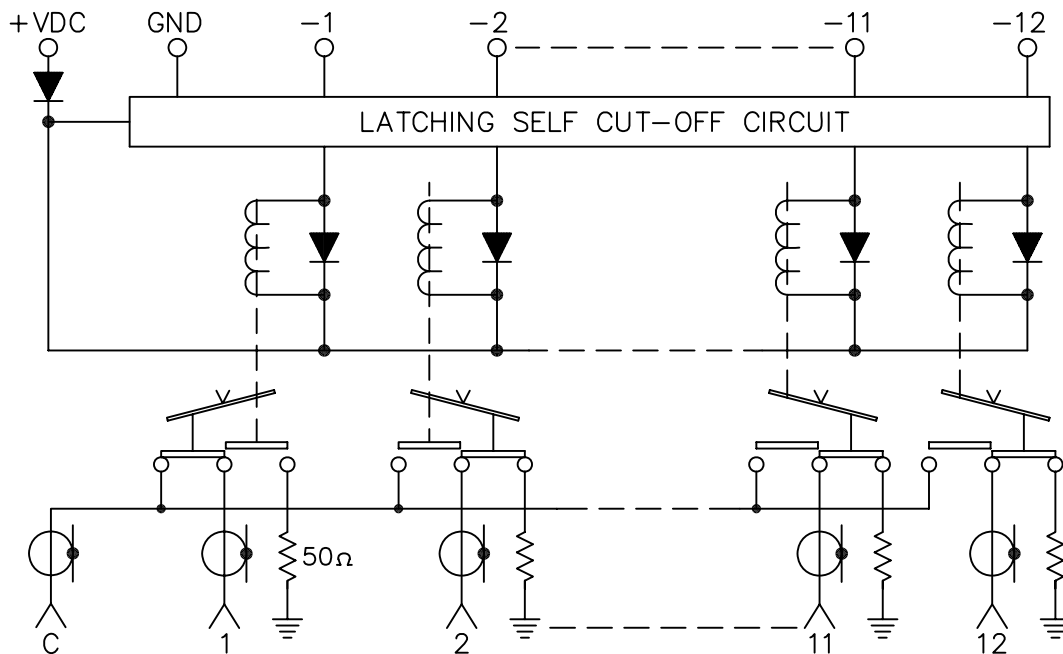
3.1 RF CONTACTS:	BREAK BEFORE MAKE
3.2 WEIGHT:	17.5oz. (496g.) NOMINAL
3.3 DESIGN LIFE:	1,000,000 CYCLES MIN

### 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

## SCHMATIC:

SCHMATIC SHOWN WITH POSITION 1 SELECTED



TO ENERGIZE POSITION, A GROUND MUST BE APPLIED TO THE DESIGNATED INPUT PIN. FOR POSITIONS NOT SELECTED NO VOLTAGE IS NEEDED, INPUTS ARE PULLED UP INTERNALLY TO 5VDC. APPLYING A VOLTAGE > 5 VOLTS TO ANY INPUT WILL DAMAGE THE SWITCH

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SCALE NONE	SHEET 3 OF 3	