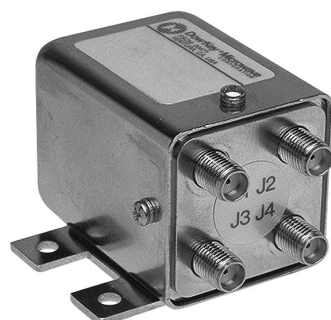




C Commercial	M Military	A Avionics	S Space
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411C Series Transfer Failsafe, SMA

Specifications

Operating Voltage:

(across temperature range)

12 Vdc (11-14 Vdc)

28 Vdc (24-32 Vdc)

Coil Current (max @ nom.Vdc & 20°C):

12 Vdc 360 mA

28 Vdc 145 mA

Switching Time:

20 mS maximum

Operating Temperature:

-25°C to +65°C (Standard)

-55°C to +85°C (Extended "T" Option)

Mechanical Life, Cycles:

1,000,000 minimum

Vibration, Operating:

10G RMS, 20-2000 Hz

Mechanical Shock, Non-Operating:

50 G, 1/2 Sine, 11 mS

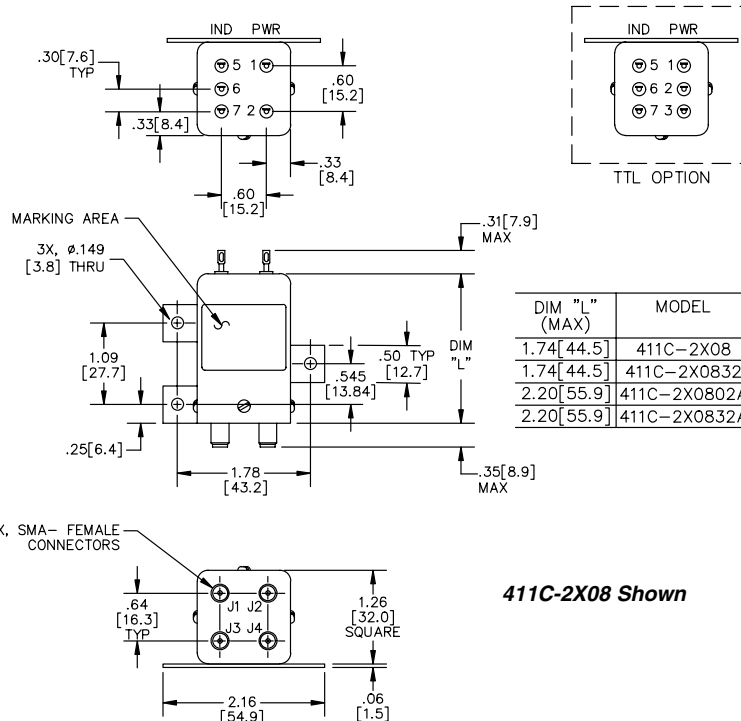
Nominal Weight:

4.0 oz., (115g.)

RF Characteristics

Frequency GHz	VSWR (max)	Isolation dB (min)	Ins. Loss dB (max)
0-1	1.10	85	0.10
1-4	1.20	80	0.20
4-8	1.30	70	0.30
8-12	1.40	65	0.40
12-18	1.50	60	0.50

Mechanical



411C-2X08 Shown

Part Number Selection

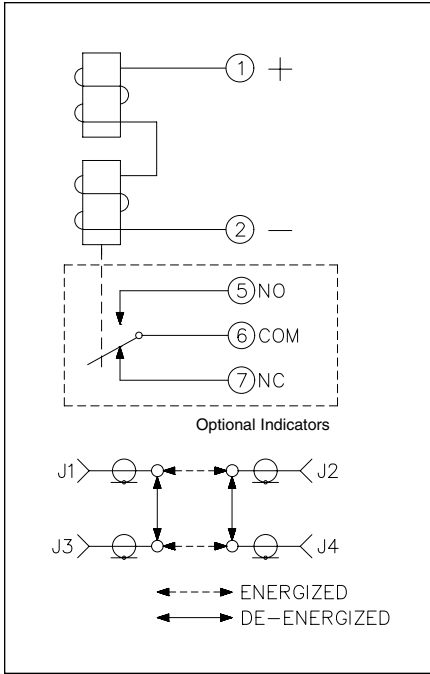
For Electrical Schematic see page # 2.6

411C J - 2 2 01 02 A

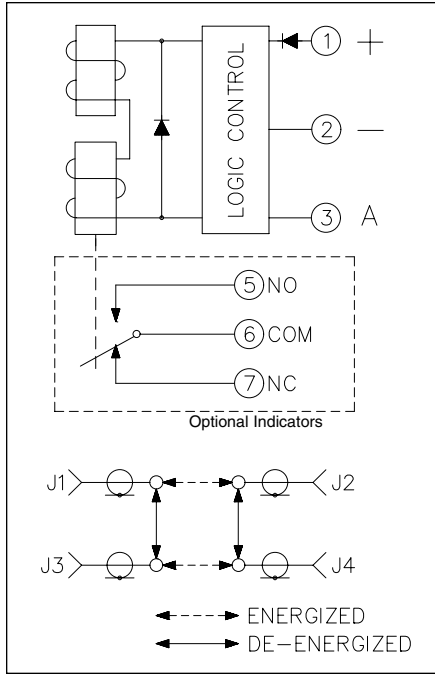
Special Options	Actuator	Coil Voltage	Connectors	Indicators	Circuit Options
A = High Power B = Bypass (J2-J4) D = Bypass (J1-J2) E = Bypass (J3-J4) F = Bypass (J1-J3) I = Immersion Seal J = 'D' Connector N = No Mounting Bracket S = Epoxy Seal T = -55°C to +85°C	2 = Failsafe 6 = Failsafe with Suppression Diode	2 = 12Vdc 3 = 28Vdc 4 = 48Vdc 7 = 20Vdc 8 = 24Vdc 9 = 15Vdc	08 = SMA Female 71 = SMB Female	02 = No Indicators 32 = Indicators	A = TTL High B = JANTX TTL High L = TTL Low



1 411C/412 Failsafe



2 411C/412 Failsafe TTL



LOGIC TRUTH TABLE

FAILSAFE TTL - SCH #2

LOGIC TRUTH TABLE		
RF PATH	INDICATOR PATH	LOGIC INPUT "A"
J1-J3/J2-J4	NC-COM	0
J1-J2/J3-J4	NO-COM	1

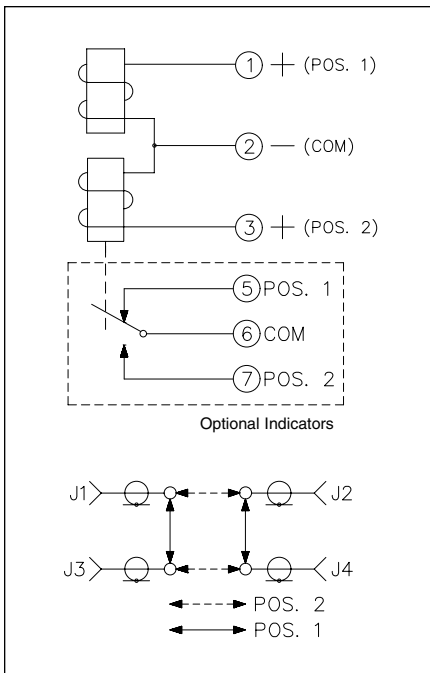
"0" = 0.0V-0.8V
 "1" = 2.4V-5.5V

SELF CUTOFF TTL - SCH #5

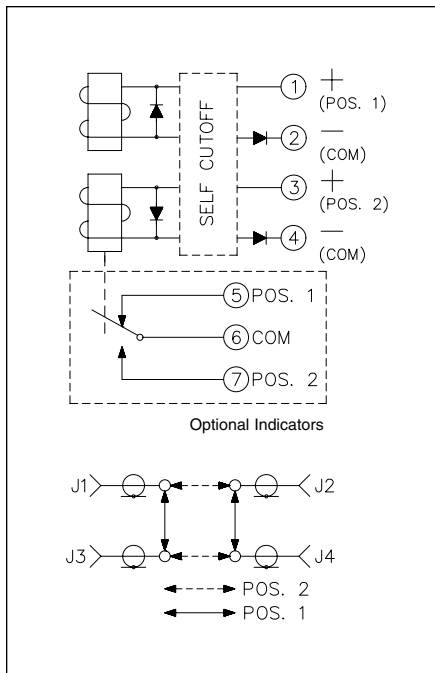
LOGIC TRUTH TABLE			
RF PATH	INDICATOR PATH	LOGIC INPUT "A"	LOGIC INPUT "B"
J1-J3/J2-J4	COM-1	1	0
J1-J2/J3-J4	COM-2	0	1

"0" = 0.0V-0.8V
 "1" = 2.4V-5.5V

3 411C/412 Pulse Latch



4 411C/412 Self Cutoff



5 411C/412 Self Cutoff TTL

