T4 SERIES
TRANSFER SWITCH
DC-18 GHz ◆ SMA

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Ducommun

The ***T4 Series*** features SMA connectors and a frequency range of DC to 18 GHz.

This series is available with fail-safe, latching self cut-off or pulse latching functions.

RF Impedance:	50 ohms nominal
Temperature Range:	-35°C to +85°C ambient
Operating Life:	1,000,000 cycles min.
Switching Time:	15 mSec max.
Switching Sequence:	Break Before Make
Environmental:	Designed in Accordance to MIL-DTL-3928 (Testing and Operation Modes)

SPECIFICATIONS

Frequency	VSWR (max.)	Insertion Loss (dB max.)	Isolation (dB min.)
DC-3 GHz	1.20	0.20	80
3-8 GHz	1.30	0.30	70
8-12.4 GHz	1.40	0.40	60
12.4-18 GHz	1.50	0.50	60

Actuator Current (typical)	12Vdc	12-15 Vdc	20-24 Vdc	24-30Vdc
Failsafe	480mA	480mA	330mA	280mA
Latching	280mA	280mA	270mA	220mA

* If reduced coil current is required, please contact Factory.

AVAILABLE OPTIONS

OPTION 2 RF CONNECTORS

- **4 -** SMA

OPTION 3 TERMINALS

- **1 -** Solder Terminals
- **2 -** Circular Connector
- **4 -** Sub M iniature D-Shell Connector

OPTION 4 VOLTAGE

- **1 -** 6 Vdc +/- 10%
- **2 -** 12 Vdc +/- 10%
- **3 -** 24-30 Vdc
- **4 -** 48 Vdc +/- 10%
- **5 -** 110 Vac +/- 10%
- **6 -** 12-15 Vdc
- **7 -** 18-20 Vdc
- **8 -** 20-24 Vdc

OPTION 5 ACTUATOR

Failsafe

- **A -** Standard
- **B -** Indicators
- **M -** Diodes
- **Q -** Diodes, Indicators

Latching Self Cut-Off

- **D -** Diodes
- **E -** Diodes, Indicators

Pulse Latching

- **C -** Standard
- **F -** Indicators
- **Y -** Diodes
- **L -** Diodes, Indicators

OPTION 6 FREQUENCY

- **3 -** DC to 18 GHz

OPTION 7 POLARITY

- **0 -** Not Applicable
- **8 -** Positive Common
- **9 -** Negative Common

OPTION 8 SPECIAL OPTIONS

- **L -** TTL (High)
- **LL -** TTL (Low)
- **1 -** Bracket
- **M -** Manual Override
- **P -** High Power Handling

T4	-	4					3		
Option 1 Series		**Option 2** RF Connectors	**Option 3** Terminals	**Option 4** Voltage	**Option 5** Actuator		**Option 6** Frequency	**Option 7** Polarity	**Option 8** Special Options

DC TERMINAL FUNCTION

	FAILSAFE							LATCHING						
PIN	A	M	A, M w/ TTL	B	Q	B, Q w/ TTL	C, Y	C, Y w/ TTL	D	D w/ TTL	E	E w/ TTL	F, L	F, L w/ TTL
1	N/A	N/A	N/A	COM	COM	COM	N/A	+A	N/A	+A	COM	+A	COM	+A
2	1	+1	N/A	1	1	1	N/A	N/A	N/A	N/A	1	-B	1	-B
3	N/A	N/A	N/A	2	2	2	N/A	1	N/A	1	2	1	2	1
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	N/A	2
5	N/A	N/A	+A	N/A	N/A	N/A	COM+/-	N/A	COM+/-	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	-B	N/A	N/A	N/A	1-/+	N/A	1-/+	N/A	N/A	N/A	N/A	N/A
7	N/A	N/A	2	N/A	N/A	N/A	2-/+	N/A	2-/+	N/A	N/A	N/A	N/A	N/A
8	N/A	N/A	N/A	1	+1	+A	N/A	-B	N/A	-B	COM+/-	COM	COM+/-	COM
9	2	-2	N/A	2	-2	-B	N/A	N/A	N/A	N/A	1-/+	1	1-/+	1
10	N/A	N/A	N/A	N/A	N/A	2	N/A	2	N/A	2	2-/+	2	2-/+	2

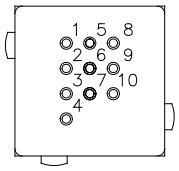
SCHEMATICS

	Pages 139-143													
FIG.	7	7	8	7	7	8	13	14	13	14	13	14	19	20

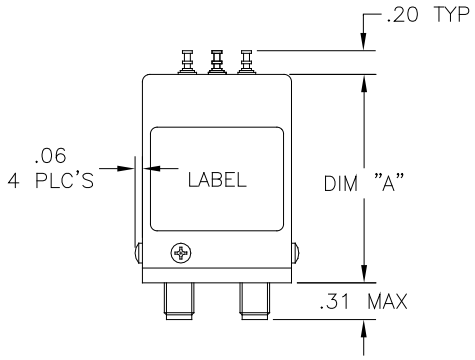
OUTLINE DRAWING DIMENSION "A"

	1.76"	1.76"	1.88"	1.76"	1.76"	1.88"	1.76"	1.88"	1.76"	1.88"	1.76"	1.88"	1.76"	1.88"

TOP VIEW



FRONT VIEW



BOTTOM VIEW