

**T3 SERIES
TRANSFER SWITCH
DC-12.4 GHz ◆ N, BNC, TNC**

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The **T3 Series** features N, BNC or TNC connectors and a frequency range of DC to 12.4 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	1.35	0.35	70
8-12.4 GHz	1.50	0.50	60

Actuator Current (typical)	12Vdc	15 Vdc	22 Vdc	28 Vdc
Failsafe	480mA	480mA	270mA	280mA
Latching	280mA	280mA	270mA	220mA

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

AVAILABLE OPTIONS

OPTION 2 RF CONNECTORS	OPTION 4 VOLTAGE	OPTION 5 ACTUATOR	OPTION 6 FREQUENCY	OPTION 8 SPECIAL OPTIONS
1 - N 2 - BNC 3 - TNC	1 - 6 Vdc +/- 10% 2 - 12 Vdc +/- 10% 3 - 24-30 Vdc 4 - 48 Vdc +/- 10% 5 - 110 Vac +/- 10%	Fail-Safe A - Standard B - Indicators M - Diodes Q - Diodes, Indicators	2 - DC to 12.4 GHz	L - TTL (High) LL - TTL (Low) 1 - Bracket M - Manual Override P - High Power Handling
OPTION 3 TERMINALS	6 - 12-15 Vdc 7 - 18-20 Vdc 8 - 20-24 Vdc	Latching Self Cut-Off D - Diodes E - Diodes, Indicators	OPTION 7 POLARITY 0 - Not Applicable 8 - Positive Common 9 - Negative Common	
1 - Solder Terminals 2 - Circular Connector 4 - Sub Miniature D-Shell Connector		Pulse Latching C - Standard F - Indicators Y - Diodes L - Diodes, Indicators		

T3

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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

High quality microwave and millimeter wave components and subsystems. Visit Ducommun RF Products online at www.ducommun.com or contact us at 310.513.7200. All specifications are subject to change without notice.

DC TERMINAL FUNCTION

PIN	FAILSAFE							LATCHING						
	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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	COM	N/A	COM
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1	N/A	1
3	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
4	N/A	N/A	N/A	N/A	N/A	+A	N/A	N/A	N/A	N/A	COM	N/A	COM	N/A
5	N/A	N/A	+A	1	+1	-B	COM+/-	+A	COM+/-	+A	1	+A	1	+A
6	1	+1	-B	2	-2	2	1-/+	-B	1-/+	-B	2	-B	2	-B
7	2	-2	2	COM	COM	COM	2-/+	1	2-/+	1	COM+/-	1	COM+/-	1
8	N/A	N/A	N/A	1	1	1	N/A	2	N/A	2	1-/+	2	1-/+	2
9	N/A	N/A	N/A	2	2	2	N/A	N/A	N/A	N/A	2-/+	N/A	2-/+	N/A

SCHEMATICS

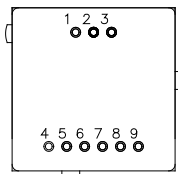
Pages 139-143

FIG.	7	7	8	7	7	8	13	14	13	14	13	14	19	20
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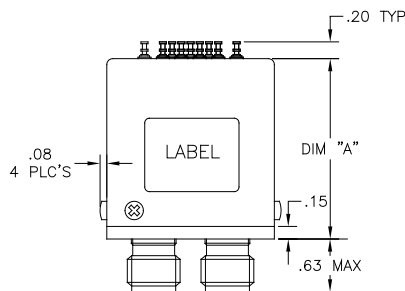
OUTLINE DRAWING DIMENSION "A"

2.16"	2.16"	2.60"	2.41"	2.41"	2.61"	2.15"	2.15"	2.15"	2.15"	2.15"	2.15"	2.15"	2.15"	2.15"
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TOP VIEW



FRONT VIEW



BOTTOM VIEW

