



**The Name for
Attenuators**

ACCESSORIES DC - 2.5 GHz RF SWITCHES TS Series

Alan Industries' TS Series offers dependable economical switching solutions to 2.5 GHz.



Alan
Industries, Inc.

745 Greenway Drive • Columbus, Indiana 47201 • USA
800-423-5190 or 812-372-8869 • Fax: 812-372-5909
www.alanindustries.com • sales@alanindustries.com



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TS Series

ELECTRICAL SPECIFICATIONS

MODEL	50TS2-	50TS4-	50TS8-
FREQUENCY RANGE	DC – 2.5 GHz	DC - 1 GHz	DC - 1 GHz
SWITCH TYPE	SPDT Failsafe	SP4T Failsafe	SP8T Failsafe
SWITCH CONFIGURATION	J2 and J3 ports are connected without power applied to switch. Unused port is reflective	J4 and J5 ports are connected without power applied to switch. Unused ports are reflective	J9 and J8 ports are connected without power applied to switch. Unused ports are reflective
IMPEDANCE	50 Ohms		
MAXIMUM VSWR	DC – 1 GHz: 1.3:1 1 – 2.5 GHz: 1.5:1	1.4:1	1.4:1
MINIMUM ISOLATION	DC – 1 GHz: 50 dB 1 – 2 GHz: 30 dB 2 – 2.5 GHz: 25 dB	40 dB	40 dB
INSERTION LOSS	DC – 1 GHz: 0.3 dB max. 1 – 2.5 GHz: 0.7 dB max.	1.2 dB max.	1.7 dB max.
AVERAGE POWER	5 Watts		
DC CONTROL	5, 12, or 24 VDC		
DC CURRENT	+ 5 VDC: 50 ma max. +12 VDC: 20 ma max. +24 VDC: 10 ma max.	+ 5 VDC: 100 ma max. +12 VDC: 40 ma max. +24 VDC: 20 ma max.	+ 5 VDC: 150 ma max. +12 VDC: 60 ma max. +24 VDC: 30 ma max.
SWITCH LIFE	1,000,000 Selections		
SWITCH SPEED	10 Milliseconds		
CONNECTORS	Female BNC, N, SMA or TNC		
OPERATING TEMPERATURE	-20° C to +70° C		
RoHS COMPLIANCE	RoHS Compliant upon request		

TO ORDER SPECIFY: Model number as appears above, Control Voltage, Connector Type. For example to order a SPDT switch with 5VDC control voltage and BNC connectors, order Alan Model 50TS2-5 BNC.

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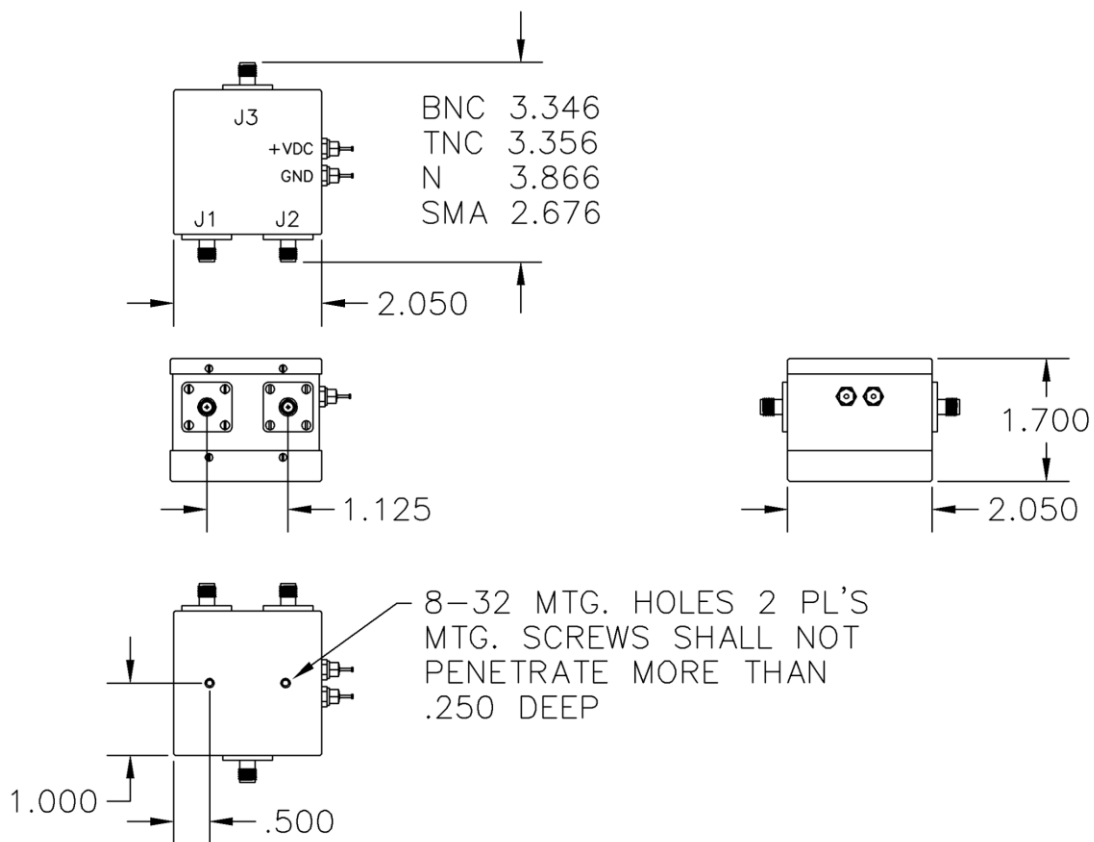
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PHYSICAL DIMENSIONS 50TS2-



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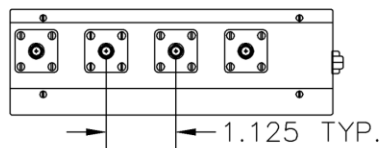
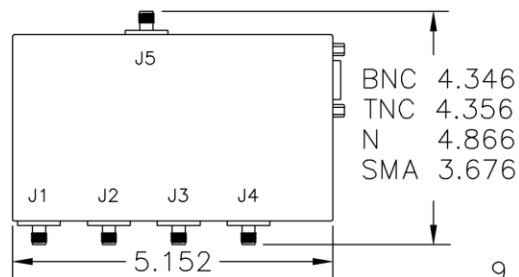
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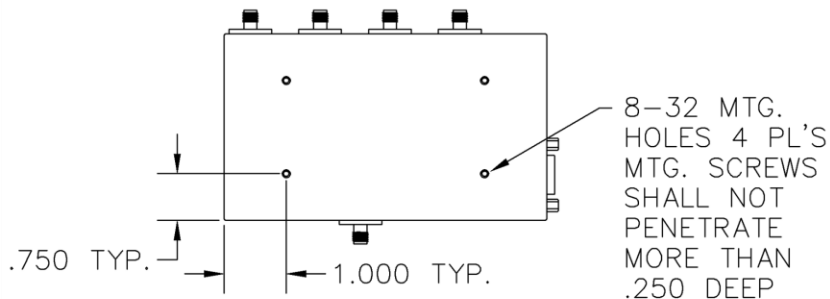
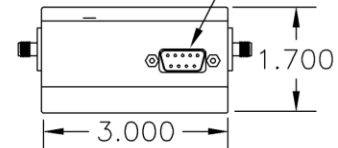
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TS Series

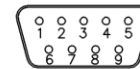
PHYSICAL DIMENSIONS
50TS4-



9 PIN 'D-SUB' CONNECTOR
SEE DETAIL "A"



DETAIL "A"
PIN CONFIGURATION



- 1 - +VDC J1 ON
- 2 - +VDC J2 ON
- 3 - +VDC J3 ON
- 4 - OPEN
- 5 - OPEN
- 6 - OPEN
- 7 - OPEN
- 8 - GROUND
- 9 - OPEN

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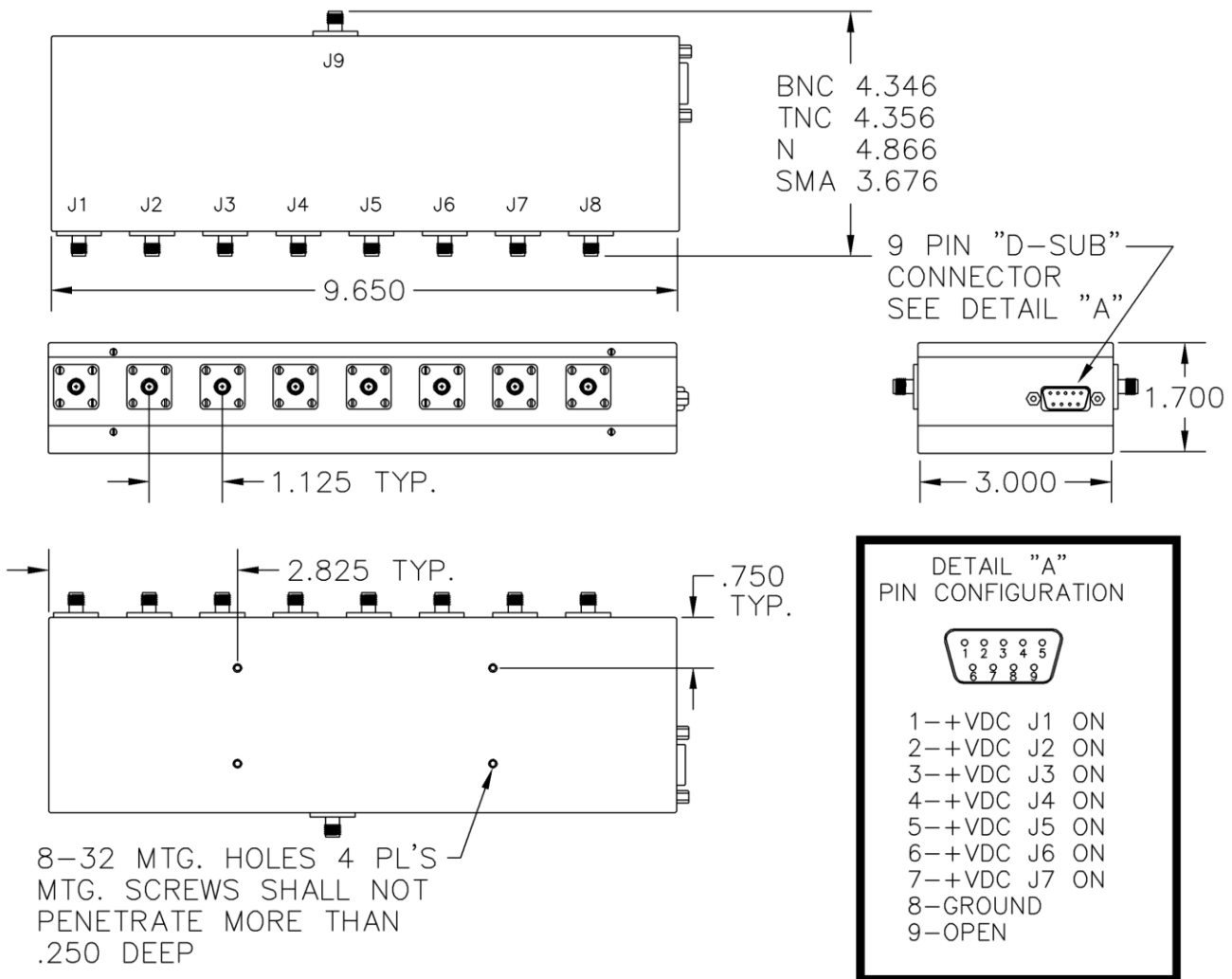
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PHYSICAL DIMENSIONS
50TS8-



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