



**The Name for  
Attenuators**

## **ACCESSORIES DC – 2.5 GHz RF SWITCHES TS Series with TTL Interface**

Alan Industries' TS Series with TTL Interface 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  
TTL Interface**

## ELECTRICAL SPECIFICATIONS

MODEL	50TS2TTL-	50TS4TTL-	50TS8TTL-
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: 0.7dB max.	1.2 dB max.	1.7 dB max.
AVERAGE POWER	5 Watts		
DC SUPPLY	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		
TTL LOGIC	TTL Positive Logic		
CONNECTORS	Female BNC, N, SMA or TNC		
OPERATING TEMPERATURE	-20° C to +70° C		
<b>RoHS COMPLIANCE</b>	<b>RoHS Compliant upon request</b>		

**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 50TS2TTL-5 BNC.

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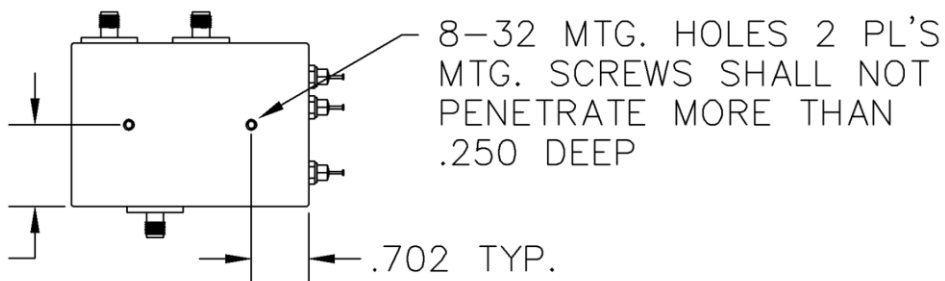
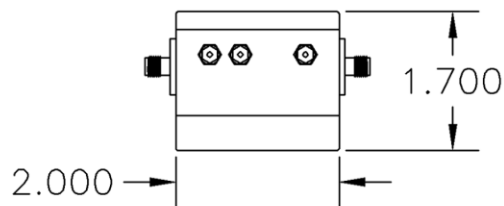
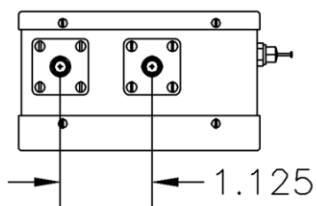
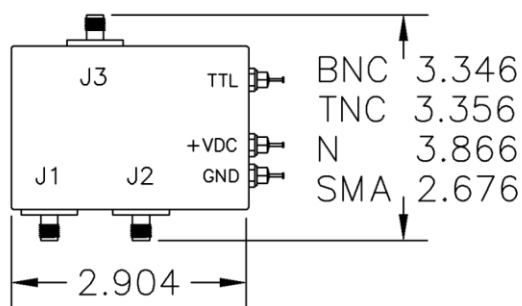
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PHYSICAL DIMENSIONS  
50TS2TTL-



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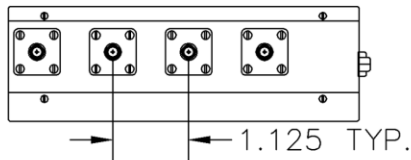
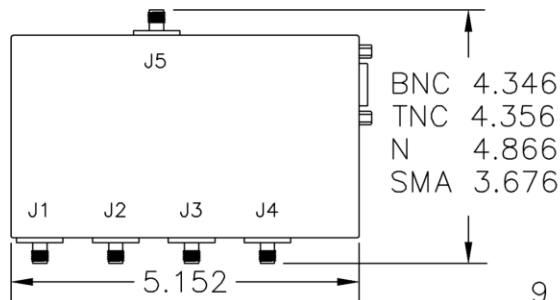
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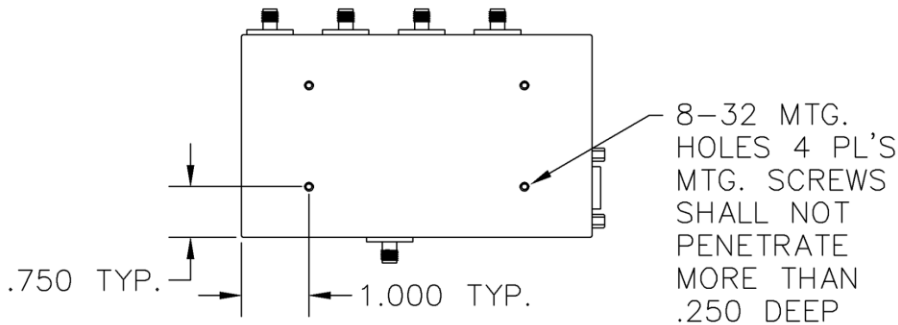
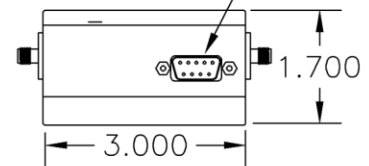
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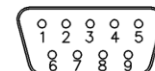
PHYSICAL DIMENSIONS  
50TS4TTL-



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



DETAIL "A"  
PIN CONFIGURATION



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

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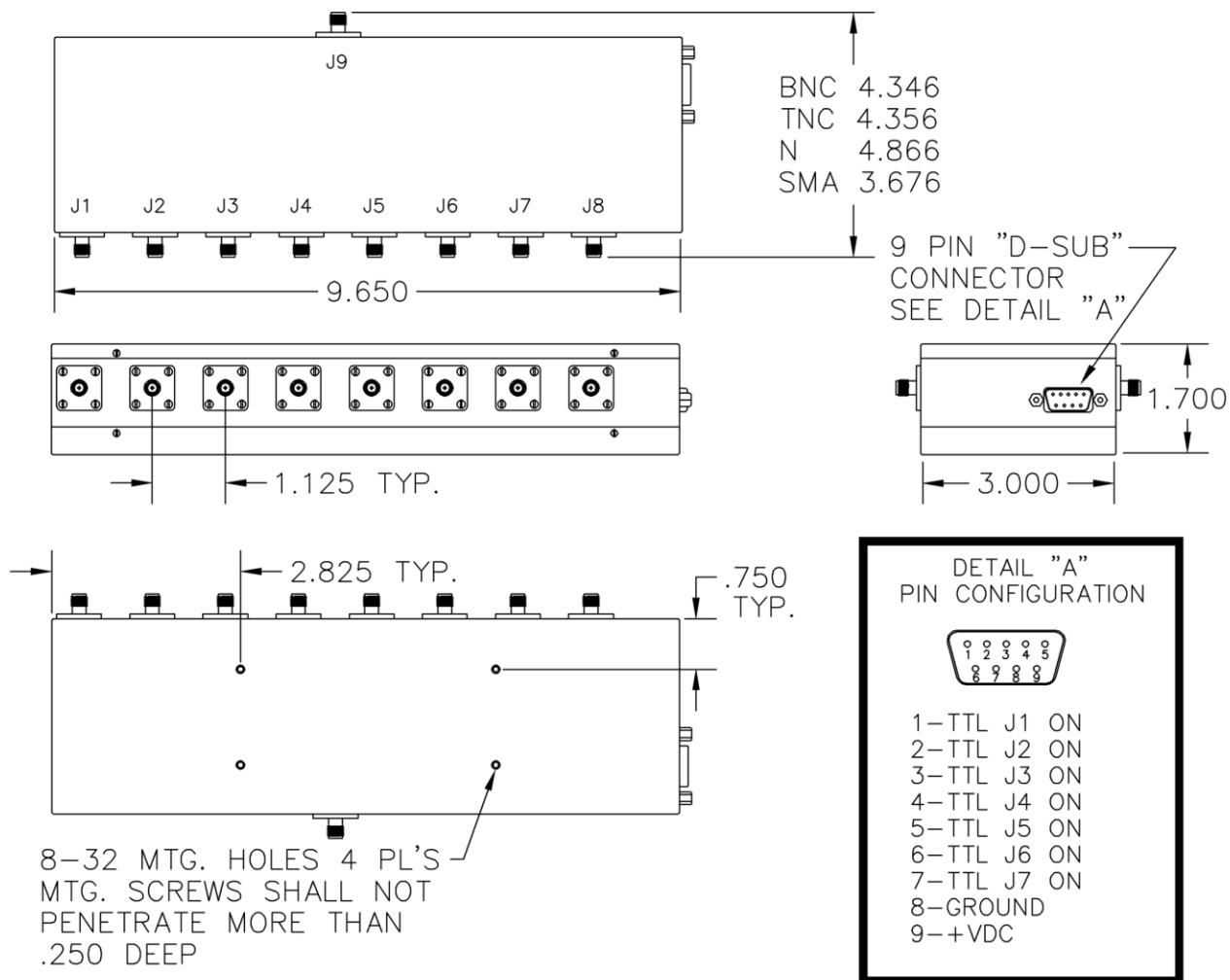
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## PHYSICAL DIMENSIONS 50TS8TTL-



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