

Technical Specifications

MIL-STD-1553 Bus Coupler:

1. Number of Stubs: 4
2. Connector: Female BJT7 (Mating: PL75)
3. 1Watt Isolation resistors
4. 1Watt Terminating resistors
5. Transformer Turns ratio: $1:1.41 \pm 3\%$
6. Input Impedance: 3000Ω Minimum (75KHz to 1MHz)
7. Droop: 20% maximum (250KHz)
8. Common mode rejection: $>45\text{dB}$ at 1.0MHz
9. Overshoot and ringing: $\pm 1\text{V}$ peak (250KHz square wave with 100ns maximum rise and fall time)
10. Stub Voltage: 1.0V to 14.0V p-p, line-line
11. Fault protection: Resistor in series with each Bus winding connection equal to $59\Omega \pm 1\%$, 1W or $58.5\Omega \pm 2\%$
12. -55°C to $+125^\circ\text{C}$ operating Temperature