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TECHNOLOGY GROUP

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so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

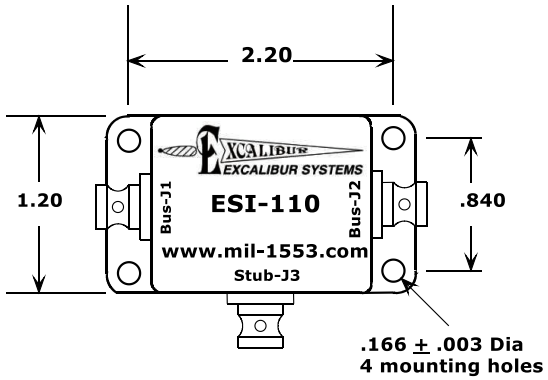
Expert team | Trust guarantee | 100% satisfaction

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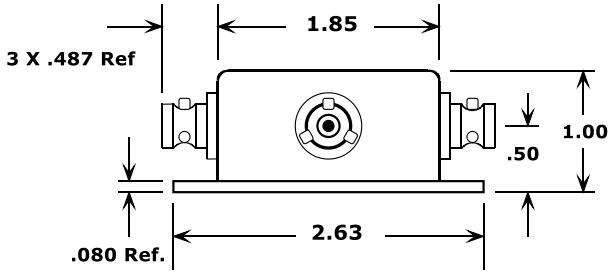
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SPECIFICATIONS for ONE STUB BOX COUPLERS

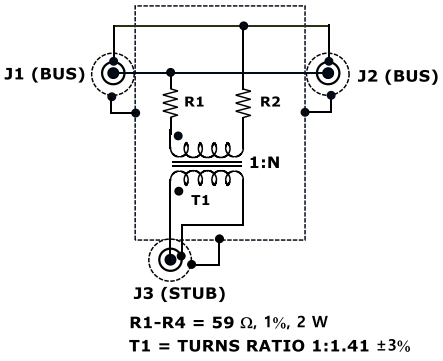




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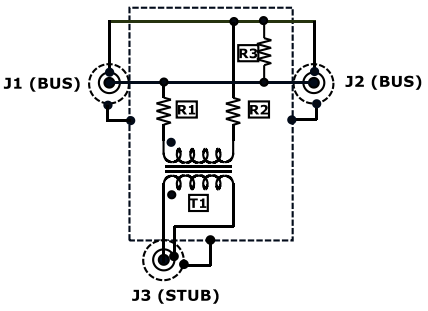


ESI-110 Mechanical Drawing
figure 1



R1-R4 = 59 Ω, 1%, 2 W
T1 = TURNS RATIO 1:1.41 ±3%

ESI-110 Schematic Diagram
figure 2



R1-R4 = 59 Ω, 1%, 2 W
R3 = 78.7 Ω, 1%, 2 W
T1 = TURNS RATIO 1:1.41 ±3%

ESI-111 Schematic Diagram
figure 3

SPECIFICATIONS for ONE STUB BOX COUPLERS

1.0 **REQUIREMENTS:**

1.1 DOCUMENT DESCRIBES THE REQUIREMENTS FOR SINGLE STUB BUS COUPLERS FOR MIL-STD-1553 APPLICATIONS

2.0 **MECHANICAL SPECIFICATIONS:**

2.1 DESIGN AND CONSTRUCTION – THE COUPLER SHALL WITHSTAND THE STATIC HANDLING, INSTALLATION, AND OPERATIONAL SERVICE AS SPECIFIED HEREIN. THE COUPLER SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF MIL-STD-454 FOR PROCESS, PARTS AND MATERIALS, DESIGN CONSTRUCTION AND WORKMANSHIP. THE ENCLOSURE SHALL BE A METAL ENCLOSURE

3.0 **ELECTRICAL SPECIFICATIONS:**

3.1 FREQUENCY RANGE: 75 kHz – 1.0 MHz
3.2 COMMON MODE REJECTION: 45.0 dB MIN. @ 1.0MHz.
3.3 DROOP: 20% MAX. (250kHz)
3.4 OVERSHOOT & RINGING: ±1.0V PEAK
3.5 TRANSFORMER RATIO: 1:1.41 ±3%
3.6 POWER RATING: 2-WATT MIN. FOR ISOLATION RESISTORS
3.7 DIELECTRIC STRENGTH: 500 Vrms BETWEEN CABLE SHIELD AND BUS AND STUB CONDUCTORS AND BETWEEN BUS AND STUB CONDUCTORS.
3.8 INSULATION RESISTANCE: GREATER THAN 1000 MEGOHMS AT 250 VDC BETWEEN CONDUCTORS AND SHIELD.

4.0 **ENVIRONMENTAL:**

4.1 OPERATING TEMPERATURE RANGE: -55 deg. C to +125 deg. C

5.0 **MARKINGS:**

5.1 ITEMS SHALL BE LEGIBLY AND PERMANENTLY MARKED WITH THE MANUFACTURER'S NAME OR TRADEMARK, PART NUMBER, TERMINAL IDENTIFICATION, AND DATE CODE

6.0 **MECHANICAL SPECIFICATIONS:**

6.1 CONNECTORS: J1 THRU J3 SEE ORDERING INFORMATION; DIFFERS BY PART NUMBER (TROMPETER OR EQUIV.).
MATING CONNECTOR: SEE ORDERING INFORMATION; DIFFERS BY PART NUMBER (TROMPETER OR EQUIV.)

6.2 MATERIAL:
6.2.1 ENCLOSURE: ALUMINUM .050 THK.
6.2.2 MOUNTING PLATE: ALUMINUM .080 THK.
6.2.3.1 BLUE POWDER COAT

Ordering Information

PART NUMBER	CONNECTOR	MATING CONNECTOR
ESI-110	BJ770 (MINATURE)	PL75
ESI-111	BJ770 (MINATURE)	PL75
ESI-120	BJ377 (MINATURE THREADED)	PL375
ESI-130	BJ157 (SUB-MINATURE)	PL155
ESI-140	BJ3157 (SUB-MINATURE THREADED)	PL3155
ESI-150	BJ77FL (MINATURE FOUR LUG)	PL75FL

CE

These specifications are subject to change without notification

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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