



MILESTEK PART NUMBER	TRANSFORMER RATIO T1-T2	R1-R4 STUB RESISTOR VALUE	R5 BUS RESISTOR VALUE	R6 BUS RESISTOR VALUE	BUS 1 CONNECTOR TRB 3-LUG	BUS 2 CONNECTOR TRB 3-LUG	STUB CONNECTOR TRB 3-LUG
90-50202	1.41:1	59 ohm, 2W, 1%	n/a	n/a	10-06592	10-06592	10-06592
90-50212	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	10-06592	10-06592
90-50532	1:1	59 ohm, 2W, 1%	n/a	n/a	10-06592	10-06592	10-06592
90-50542	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	10-06592	10-06592
90-50632	1:1	54.9 ohm, 2W, 1%	n/a	n/a	10-06592	10-06592	10-06592
90-50642	1:1	54.9 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	10-06592	10-06592
90-51212	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-51542	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-51642	1:1	54.9 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-52212	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-52542	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-52642	1:1	54.9 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-50222	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	n/a	10-06592
90-50552	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	n/a	10-06592
90-50652	1:1	54.9 ohm, 2W, 1%	78.7 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	n/a	10-06592

1.0 ELECTRICAL SPECIFICATIONS: IAW MIL-STD-1553B

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|---------------------------|--------------------------------------|
| 1.1 DROOP | 20% MAXIMUM |
| 1.2 OVERSHOOT AND RINGING | +/- 1.0V PK-PK |
| 1.3 TRANSFORMER RATIO | AS NOTED IN TABLE ABOVE |
| 1.4 FAULT PROTECTION | 59 ohm +/- 1%, 2WATT PER MIL-R-39007 |
| 1.5 COMMON MODE REJECTION | -55 dB @ 1 MHz |
| 1.6 NOMINAL UNIT WEIGHT | 3.50 OUNCES (99.22 GRAMS) |

2.0 MECHANICAL SPECIFICATIONS:

- 2.1 HOUSING: DIE CAST A360 ALUMINUM ALLOY. CLEAR ANODIZED AND PAINTED WITH TEXTURE. BAKED ENAMEL, COLOR BLUE.
- 2.2 BASE PLATE: 5052-H32 ALUMINUM, SATIN FINISH.
- 2.3 CONNECTOR 10-06592 OR EQUIVALENT
- 2.4 ENCAPSULATING COMPOUND: EPOXY DP-460

3.0 ENVIRONMENTAL:

- 3.1 OPERATING TEMPERATURE -55 C TO + 125 C

MileTek®

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PLEASE VISIT www.milestek1553.com FOR ADDITIONAL INFORMATION

DRAWN BY: MIKE GREENHILL	APPROVED BY: ROBERT PEREZ	DATE 08/07/09
TITLE: 2 STUB COUPLERS	CAGE CODE: 42977	
DRAWING NO: 9052	ISO 9001: 2008 CERTIFIED	REV: A
SCALE: NOT TO SCALE	TOLERANCE: <.1+/.1 .01/>.1+/- .1	SHEET: 1 OF 1