



MILESTEK PART NUMBER	TRANSFORMER RATIO T1-T4	R1-R8 STUB RESISTOR VALUE	R9 BUS RESISTOR VALUE	R10 BUS RESISTOR VALUE	BUS 1 CONNECTOR TRB 3-LUG	BUS 2 CONNECTOR TRB 3-LUG	STUB CONNECTOR TRB 3-LUG
90-50204	1.41:1	59 ohm, 2W, 1%	n/a	n/a	10-06592	10-06592	10-06592
90-50214	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	10-06592	10-06592
90-50534	1:1	59 ohm, 2W, 1%	n/a	n/a	10-06592	10-06592	10-06592
90-50544	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	10-06592	10-06592
90-50634	1:1	54.9 ohm, 2W, 1%	n/a	n/a	10-06592	10-06592	10-06592
90-50644	1:1	54.9 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	10-06592	10-06592
90-51214	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-51544	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-51644	1:1	54.9 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-52214	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-52544	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-52644	1:1	54.9 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-50224	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	n/a	10-06592
90-50554	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	n/a	10-06592
90-50654	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

- |                           |                                      |
|---------------------------|--------------------------------------|
| 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   | 6.70 OUNCES (189.94 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](http://www.milestek1553.com) FOR ADDITIONAL INFORMATION

DRAWN BY: MIKE GREENHILL	APPROVED BY: ROBERT PEREZ	DATE 08/07/09
TITLE: 4 STUB COUPLERS	CAGE CODE: 4Z977	
DRAWING NO: 9054	ISO 9001: 2008 CERTIFIED	REV: A
SCALE: NOT TO SCALE	TOLERANCE: <.1+/.1 .01/>.1+/- .1	SHEET: 1 OF 1