



MILESTEK PART NUMBER	TRANSFORMER RATIO T1-T7	R1-R14 STUB RESISTOR VALUE	R15 BUS RESISTOR VALUE	R16 BUS RESISTOR VALUE	BUS 1 CONNECTOR TRB 3-LUG	BUS 2 CONNECTOR TRB 3-LUG	STUB CONNECTOR TRB 3-LUG
90-50207	1.41:1	59 ohm, 2W, 1%	n/a	n/a	10-06592	10-06592	10-06592
90-50217	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	10-06592	10-06592
90-50537	1:1	59 ohm, 2W, 1%	n/a	n/a	10-06592	10-06592	10-06592
90-50547	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	10-06592	10-06592
90-50637	1:1	54.9 ohm, 2W, 1%	n/a	n/a	10-06592	10-06592	10-06592
90-50647	1:1	54.9 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	10-06592	10-06592
90-51217	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-51547	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-51647	1:1	54.9 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-52217	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-52547	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-52647	1:1	54.9 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	10-06592	n/a	10-06592
90-50227	1.41:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	n/a	10-06592
90-50557	1:1	59 ohm, 2W, 1%	78.7 ohm, 2W, 1%	78.7 ohm, 2W, 1%	n/a	n/a	10-06592
90-50657	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 ON 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   | 10.00 OUNCES (283.50 GRAMS)          |

## 2.0 MECHANICAL SPECIFICATIONS:

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

## 3.0 ENVIRONMENTAL:

- 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: 7 STUB COUPLERS	CAGE CODE: 4Z977	
DRAWING NO: 9057	ISO 9001: 2008 CERTIFIED	REV: A
SCALE: NOT TO SCALE	TOLERANCE: <.1+/.1 .01/>.1+/- .1	SHEET: 1 OF 1