

Single ratio through-the-board MIL-PRF-21038 Interface Transformers

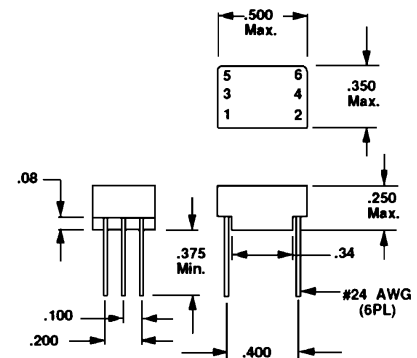
This transformer conforms to all electrical and physical parameters of MIL-PRF-21038/27. Operating temperature -55° to +125° C.

- for use in MIL-STD-1553 applications
- single ratio (see schematic)
- performance to MIL-PRF-21038/27 requirements

APPLICABLE SPECIFICATIONS

- MIL-STD-1553B
- MIL-STD-202
- MIL-T-10727
- MIL-PRF-21038/27

Dimensions



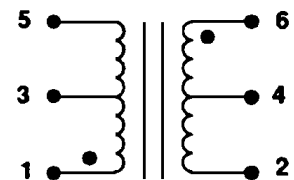
Notes:

1. All dimensions are in inches.
2. Tolerances: .xx = +.008
3. All specifications and dimensions are subject to change without notice.

SUMMARY PERFORMANCE SPECIFICATIONS

Impedance.....	see table, next page
Droop.....	≤ 20%
Overshoot.....	± 1V max
Common mode rejection (CMR).....	≥ 45 dB
Frequency range (no load).....	75 kHz to 1MHz
Operating temperature range.....	-55° to +125°C
Weight.....	≤ 5 grams
Insulation resistance (min).....	10K megohms @ 250 Vdc
Dielectric withstanding voltage.....	100 Vrms

Schematic



CHARACTERISTICS

Part Number	Terminals	Ratio	RDC (ohms) max.	Impedance (ohms) min.
HY1553-51*	1-5:6-2	1CT:1.79CT	1-5 0.90 6-2 2.5	(6-2) 3,000

* Designed for transceivers utilizing a single supply voltage (+5V).