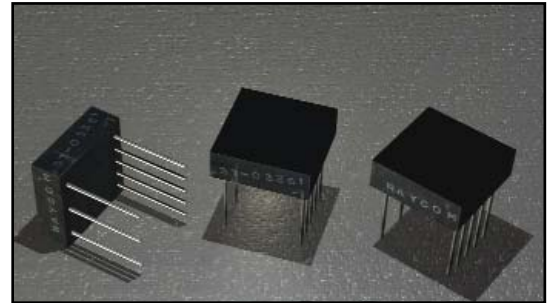


## Dual ratio through-the-board MIL-PRF-21038 interface transformers

- for use in MIL-STD-1553 applications
- dual ratio in a single package, see schematic
- performance to MIL-PRF-21038/27 requirements



HY1553-45

### APPLICABLE SPECIFICATIONS

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

### CHARACTERISTICS

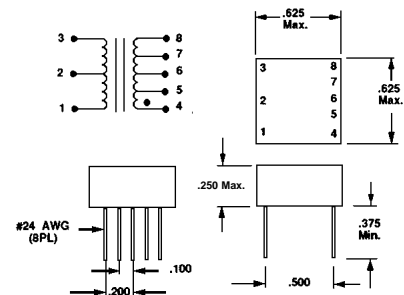
PART NUMBER	HEIGHT (in.) MAX	TERMINALS	RATIO (±3%)	RDC (ohms) MAX	IMPEDANCE (ohms) MIN
HY1553-45*	.250	1-3:4-8 1-3:5-7	1CT:2.50CT 1CT:1.79CT	1-3 1.0 4-8 3.5	(4-8) 4,000

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

### SUMMARY PERFORMANCE SPECIFICATIONS

Impedance.....	see table
Droop.....	≤ 20%
Overshoot.....	± 1V max
Common mode rejection (CMR).....	≥ 45 dB
Frequency range (no load).....	75 kHz to 1MHz
Operating temperature range.....	-55°C to 130°C
Weight.....	≤ 5 grams
Insulation resistance (min).....	10K megohms @ 250 Vdc
Dielectric withstanding voltage.....	100 Vrms

### SCHEMATIC AND DIMENSIONS



Note -- All dimensions are in inches.