

MIL-STD-1553 Transformers

Value Series (COTS) THT non-QPL Interface Transformers



These non-QPL interface transformers are built and tested in AS9100 approved facilities. They conform to all electrical and physical parameters of MIL-PRF-21038/27. Temperature ranges including, -55° to +125° C.

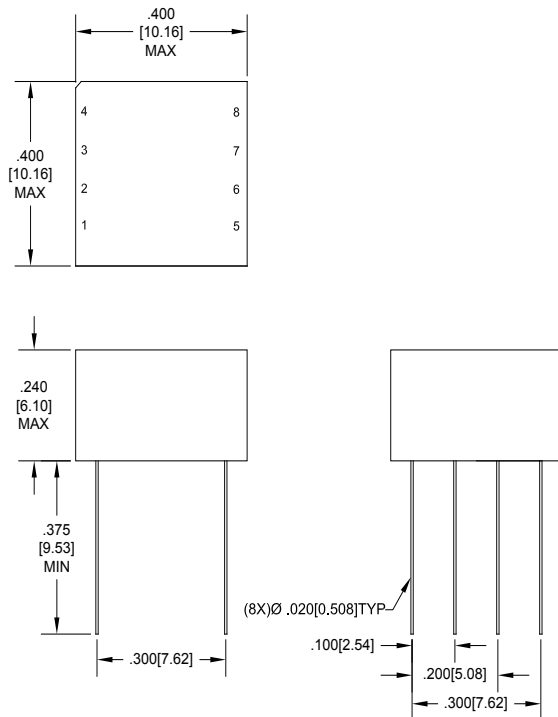
- Dual ratio, single interface (see schematic)
- Through-the-board package
- MSL: 1
- For use in MIL-STD-1553 applications
- Standard height: 0.240 in.
- Performance to MIL-PRF-21038 requirements
- Built in AS9100 facility
- Applicable specifications:
 - MIL-STD-1553B
 - MIL-STD-202
 - MIL-PRF-21038
- Lead finish : SnPb

Electrical Specifications @ 25°C

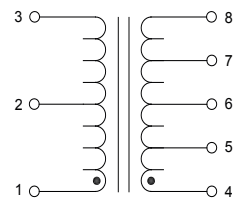
Part Number	Turns Ratio (±3%)		DC Resistance (Ω MAX)		Impedance (Ω MIN)	Droop (MAX)	Overshoot (MAX)	CMR (dB MIN)	Frequency Range (No Load)	IR @ 250Vdc (MΩ MIN)	Dielectric Withstanding Voltage (Vrms)
	(1-3) : (4-8)	(1-3) : (5-7)	(1-3)	(4-8)	(4-8)					(1-3) to (4-8)	(1-3) to (4-8)
SMU1553-45	1CT:2.5CT	1CT:1.79CT	1.0	3.3	4000	20%	±1V	45	75kHz-1MHz	10k	100
SMU1553-71	1CT:3.54CT	1CT:2.50CT	0.35	3.5	4000	20%	±1V	45	75kHz-1MHz	10k	100

NOTE: 1. Refer to prefix table (above) to select temperature range. **2.** Designed for transceivers utilizing a single supply voltage (+5V).

Mechanical



Schematic



Dimensions: inches[mm]
 Unless otherwise specified,
 all tolerances are ±.010[0.25]
 Weight.....1.8grams MAX
 Tray.....35pcs/tray