

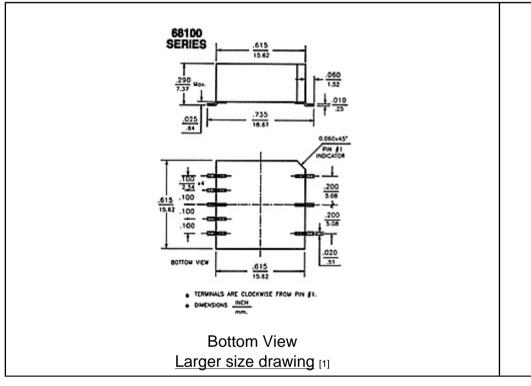
MIL-STD-1553 Interface Transformers Multiplex Data BUS Pulse Transformers

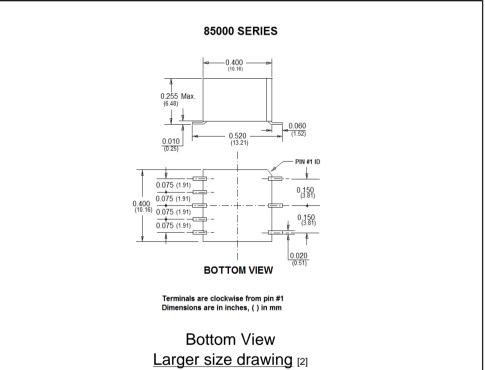
These pulse transformers manufactured to MIL-STD-1553 COMMAND/RESPONSE MULTIPLEX DATA BUS requirements. They also are manufactured to MIL-PRF-21038 specifications and are designed to meet MAC AIR SPECIFICATIONS A3818, A5690, A5232 and A4905.

All of these transformers exhibit superior electrical performance. Common mode rejection ratio is greater than 45dB at 1 MHz. Input impedance is greater than 3000 ohms over the band from 75 kHz to 1MHz at 1V rms. This series possesses exceptional waveform integrity: Rise time and fall time is less than 100 nanoseconds. Overshoot and ringing is less than±1V peak. Droop is less than 20%.

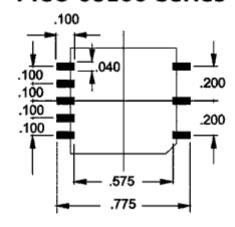
Specifications

- •
- Units manufactured to MIL-PRF-21038 and MIL-STD-1553.
- **IMPEDANCE:** Greater than 3000 ohms over the band from 75 kHz to 1MHz.
- **DROOP:** 20% max.
- OVERSHOOT: 1V peak.
- **COMMON MODE REJECTION (CMR):** Greater than 45dB.
- DIELECTRIC STRENGTH: All units tested at 200 V RMS.
- **INSULATION RESISTANCE:** Greater than 10,000 Megohms at 300 V DC.
- WEIGHT: 5 Grams
- OPERATING TEMPERATURE: -55° C to +130° C
- **TERMINALS:** Meet solderability per MIL-STD-202, Method 208
- MOISTURE SENSITIVITY LEVEL: MSL3

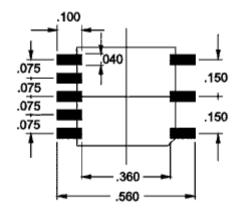




RECOMMENDED LAND PATTERN DIMENSIONS PICO 68100 Series



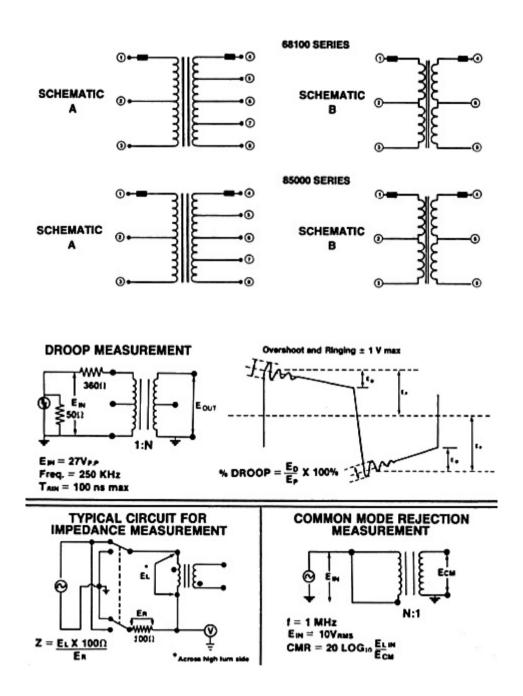
RECOMMENDED LAND PATTERN DIMENSIONS PICO 85000 Series



PICO PART NUMBER		TURNS RATIO	PRIMARY	SECONDARY	% DROOP	CMR dB	SCHEMATIC	PRICE (1-9)
68100 Series	85000 Series				(Typical)	(Typical)		

68110	85010	1CT : 1CT 1CT : .707CT	1-3 1-3	4-8 5-7	10	50	A	96.04
68120	85020	1.4CT : 1CT 2CT : 1CT	1-3 1-3	4-8 5-7	10	50	А	96.04
68130	85030	1.25CT : 1CT 1.66CT : 1CT	1-3 1-3	4-8 5-7	10	50	А	96.04
68140	85040	2.3CT : 1CT 3.2CT : 1CT	1-3 1-3	4-8 5-7	10	50	А	96.04
68150 68160 68170 68180	85050 85060 85070 85080	1CT : 1CT 1CT : 1.41CT 1CT : 1.66CT 1CT : 2CT	1-3 1-3 1-3 1-3	4-8 4-8 4-8 4-8	10 10 10 10	50 50 50 50	В В В	79.17 79.17 79.17 79.17

Click Here for Thru Hole Version of these units [3]



Delivery - stock to one week for sample orders.

For immediate engineering assistance or to place an order:

Call Toll Free: 800-431-1064

PICO Electronics, Inc.

143 Sparks Ave. Pelham, NY 10803-1810 Tel: 914-738-1400 or Fax: 914-738-8225

Go back to Surface Mount Transformers and Inductors menu [4] .