

- For use with Analog Devices AD20msp930 ADSL Chipsets
- Excellent Total Harmonic Distortion (THD) performance
- Thru-Hole Package and small size
- Designed to meet UL1950 and EN60950 Supplementary Insulation requirements for voltages up to 250Vrms maximum

	<u>PT563-1</u>	<u>PT564-1</u>
Turns Ratio (1-4) : (10-7)	1 : 1.1±2%	1 : 1.2±2%
OCL @10kHz, 0.1V		
(1-4) WITH (2-3) SHORTED	1.75mH MIN	1.75mH MIN
(10-7) WITH (8-9) SHORTED	2.03mH MIN	2.42mH MIN
Leakage Inductance @100kHz 0.1V		
(1-4) WITH (2-3), (8-9), (10-7) SHORTED	7.5μH MAX	7.5μH MAX
Longitudinal Balance 10kHz – 1.1MHz	50dB MIN	50dB MIN
Insertion Loss @300kHz	<0.5dB	<0.5dB
Isolation Voltage (MAX)	1500 Vrms	1500 Vrms
Load Resistance	100Ω	100Ω
DC Resistance (1-4)	1.5Ω MAX	1.5Ω MAX
(10-7)	1.3Ω MAX	1.3Ω MAX
THD Linearity @30kHz	-80dB TYP	-80dB TYP
Application	CO	CPE

Technical drawing of the DATATRONIC 10X connector, showing three views: top, side, and detail.

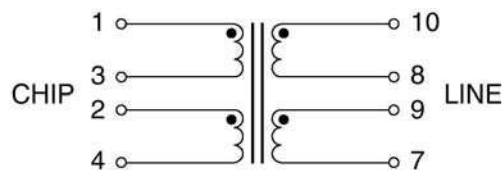
Top View: A square connector with the DATATRONIC logo and "Date Code" text. A small dot is located in the bottom-left corner.

Side View: Shows the profile of the connector. The total height is $.500$ (12,70 MAX). The mounting flange has a height of $.173 \pm .015$ (4,39 $\pm$ 0,38).

Detail View: Shows the 10 pins. The pin pitch is $.098$ (2,50). The distance between the first and last pins is $.394$ (10,00). The total width of the pin array is $.547$ (13,89 MAX). The distance from the mounting flange to the center of the pins is $.394$ (10,00).

Dimensions:

- Top View: $.018$ (0,46) (Pin diameter)
- Side View: $.500$ (12,70 MAX) (Total height), $.173 \pm .015$ (4,39 $\pm$ 0,38) (Flange height)
- Detail View: $.098$ (2,50) (Pin pitch), $.394$ (10,00) (Pin array width), $.547$ (13,89 MAX) (Total pin array width), $.394$ (10,00) (Distance from flange to pin center)



NOTES:

1. Dimensions are shown in inches/millimeters
Unless otherwise specified, tolerance
= Inches: ± 0.010
= Millimeters: ± 0.25
2. For non-RoHS parts replace PT prefix with 42- (e.g.
PT563-1 becomes 42-563-1)
3. Terminal finish is compliant to RoHS requirements.