

100/1000 BASE-EX LAN MAGNETICS FOR AUTO MDI/MDIX APPLICATION

P/N:20PT1028X DATA SHEET

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Feature

- Compliant with IEEE 802.3u and ANSI X3.263 standards including 350 Ω H OCL with 8mA Bias.
- Symmetrical TX and RX channels for Auto MDI/MDIX capability.
- Approved for use with the Broadcom BCM 5226 and Level One LXT9784.
- Operating temperature range : 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

Electrical Specifications @ 25°C

Part Number	Turns Ratio ($\pm 5\%$)		OCL(i H Min) @100KHz/0.1Vrms 8mA DC/Bias	Cw/w (pF Max)	Insulation Resistance (M Ω) @ 50Vdc	DCR (TX /RX) (Ω Max)	HI-POT (Vrms)
	TX	RX					
20PT1028X	1CT:1	1 CT:1	350	50	10,000	0.9	1500

Continue

Part Number	Insertion Loss (dB Max)		Return Loss (dB Min)			Cross talk (dB Min)		DCMR (dB Min)	
	0.3-100MHz	0.3-30MHz	40MHz	50MHz	60-80MHz	0.3-60MHz	60-100MHz	30-60MHz	60-100MHz
20PT1028X	-1.0	-18	-17	-14.5	-12	-38	-30	-33	-30

Schematic

Mechanical

