

ATM25.6MBPS INTERFACE MODULE

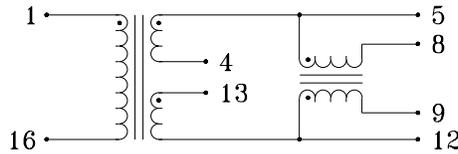
960032A

- Designed to meet ATM 25.6 PHY specifications
- Compatible with multiple transceivers containing integrated digital filtering within the silicon
- For use with either 150 ohm (STP) or 100 ohm (UTP) cable
- Low profile, surface mount, Type II PCMCIA packaging
- 2000 Vrms isolation
- Transmit or receive application with integrated common mode choke

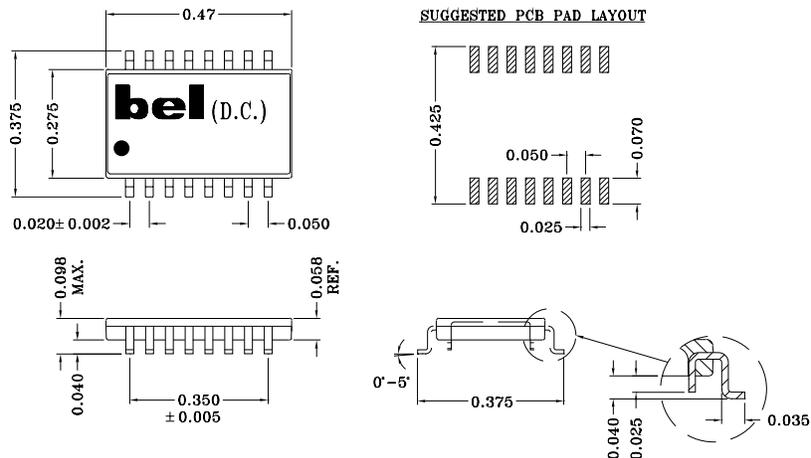
ELECTRICALS AT 25°C

Part No.	Insertion Loss	Return Loss		OCL	Common to Diff	Common to Common
	(dB) Max 12kHz-30MHz	(dB) Min 1MHz-17MHz	(dB) Min 17MHz-24MHz	(Inductance) (μ H) Min	Mode Rej (dB) Min 100kHz-100MHz	Mode Rej (dB) Min 100kHz-100MHz
S558-5999-85	-1.0	-17	-12	900	-30	-35

SCHEMATIC



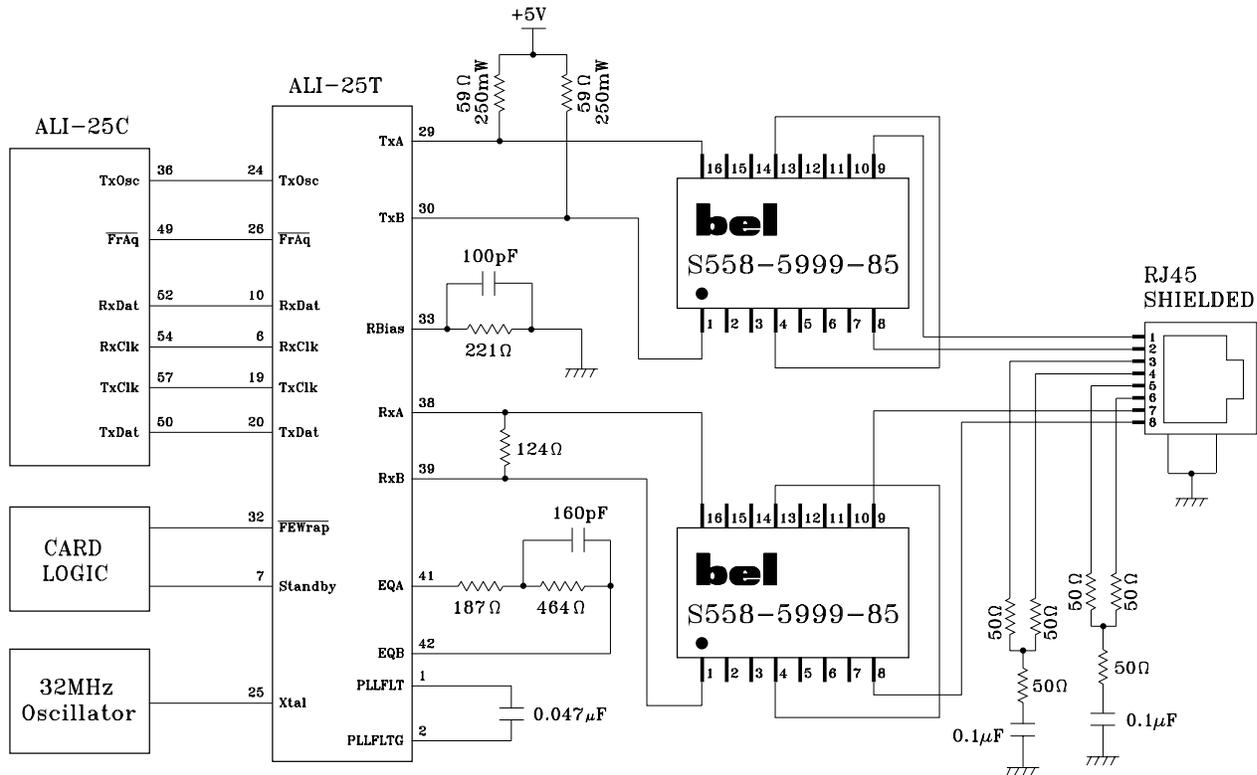
MECHANICAL



Specifications subject to change without notice.

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APPLICATION CIRCUIT



APPLICATION NOTES

- Bel has designed this product to operate in ATM 25.6 Mbps applications with transceivers that incorporate the required differential filtering using digital techniques within the silicon.
- The S558-5999-85 can be used as either a transmit or receive function, providing high isolation, wide bandwidth, and EMI and common mode noise suppression. This part is ideally used in PC-card applications, where less than 0.100 inches for height of parts is required.
- Bel's low profile, surface mount packaging is ideal for high speed pick and place machinery. Parts can be shipped on tape and reel for high speed placement. Construction processes have been implemented for thermal compatibility with high temperature IR reflow assembly processing. Post dipping of leads assist with PC board solderability. Each part is optically inspected to meet rigid coplanarity requirements.

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