

10BASE-T LAN MAGNETICS

Filtered Modules



LM00506

- Compatible with a variety of 10Base-T transceiver chipsets
- Conforms to IEEE 802.3 standards
- Through hole and surface mount packaging
- Operating temperature 0° to 70° C
- Minimum interwinding breakdown voltage of 1500 Vrms

ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Configuration		Insertion Loss dB max	Attenuation dB min @30MHz		Return Loss dB min	Common to Common Mode Rejection dB min			Crosstalk dB min
	TX	RX	1MHz to 10MHz	TX	RX	1MHz to 10MHz	30MHz	50MHz	100MHz	1MHz to 10MHz
S556-5999-A4	RFTC	RFTC	-1.0	-28	-16	-15	-40	-30	-30	-35
S556-5999-32	FTC	FTC	-1.0	-28	-16	-15	-45	-45	-35	-35
A556-2006-02*	FTC	FTC	-1.0	-27	-17.5	-20	-35	-30	-25	-45
S556-5999-02	FTC	FTC	-1.0	-27	-17.5	-20	-35	-30	-25	-45
A556-2006-03	FTC	FTC	-1.0	-27	-17.5	-20	-35	-30	-25	-45
0556-2006-14	FTC	FTC	-1.0	-28	-17.5	-20	-40	-40	-30	-35
0556-3873-03	FTC	FTC	-1.0	-27	-20	-15	-40	-35	-30	-35
A556-2006-00	FTC	FT	-1.0	-27	-17.5	-20	-35	-30	-25	-45
A556-2006-DE	FT	FT	-1.0	-27	-17.5	-20	---	---	---	-45
S556-5999-DE	FT	FT	-1.0	-27	-17	-15	---	---	---	-35

*Operating temperature range -40° to +85° C

Configuration Guide	
T	Transformer
C	Choke
F	Low Pass Filters
R	Predistortion Resistors

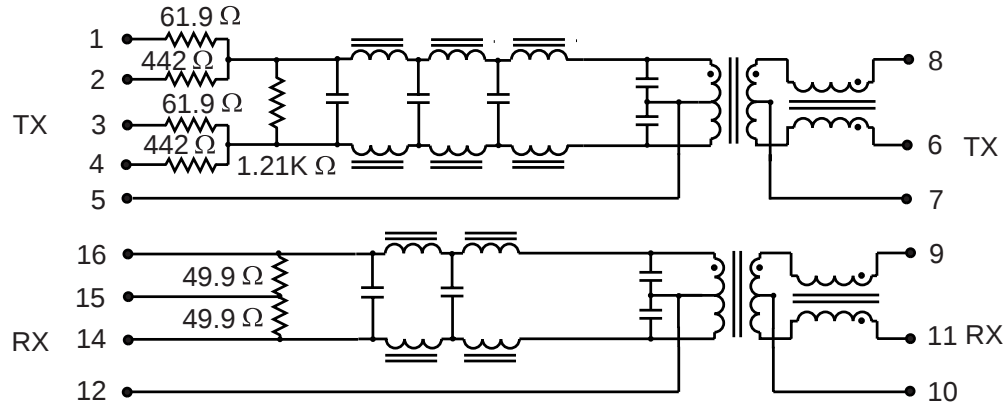
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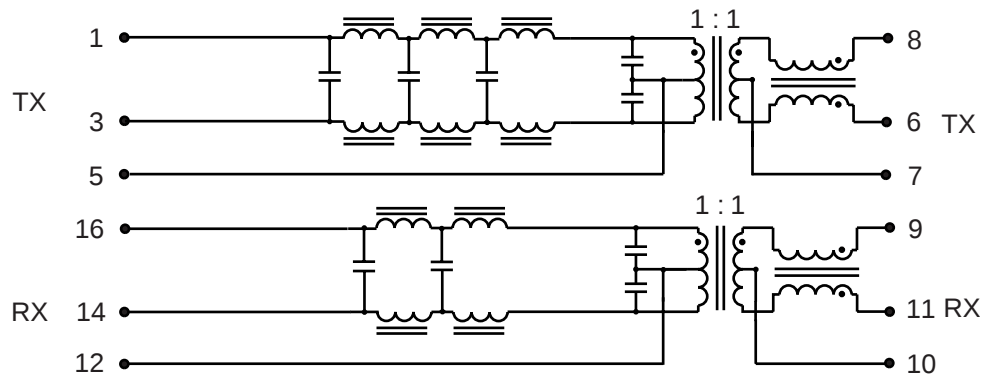
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SCHEMATICS

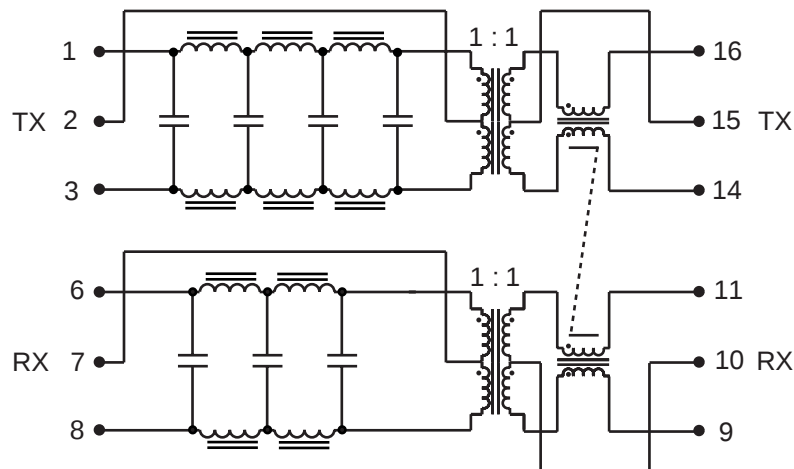
S556-5999-A4



S556-5999-32



A556-2006-02
S556-5999-02



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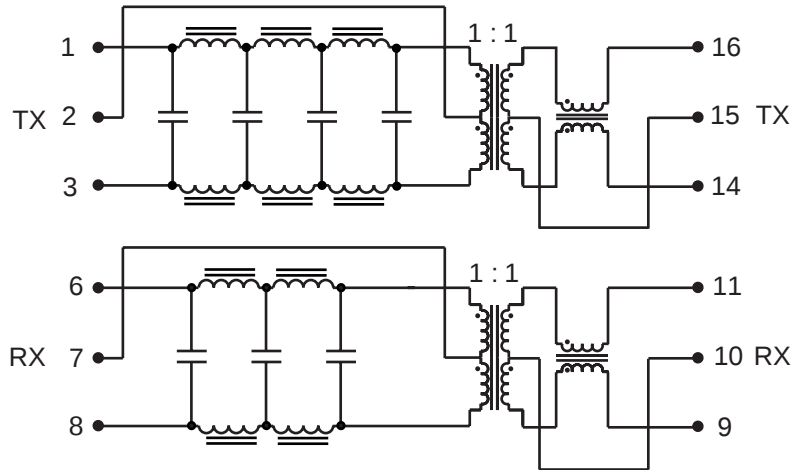
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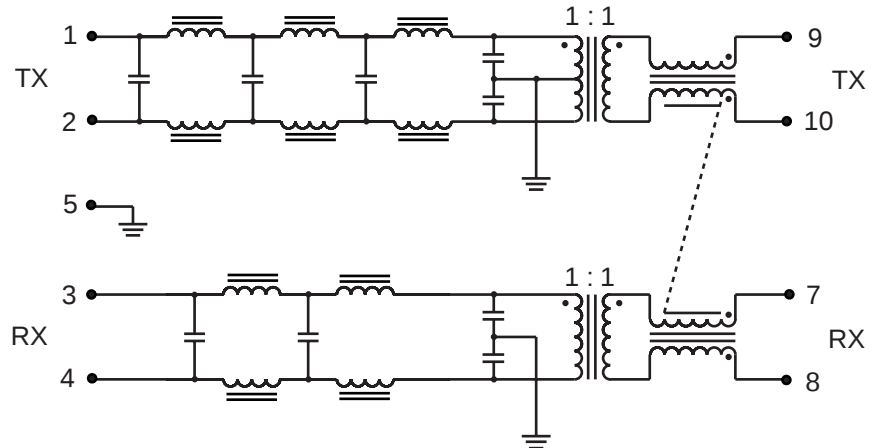
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SCHEMATICS

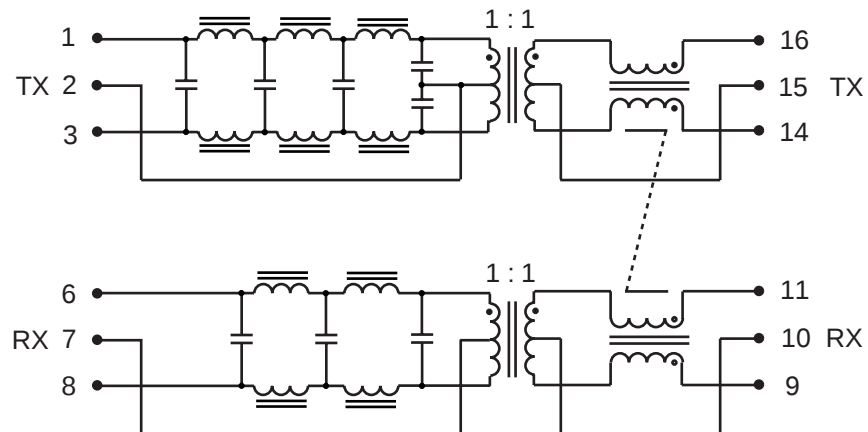
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0556-2006-14



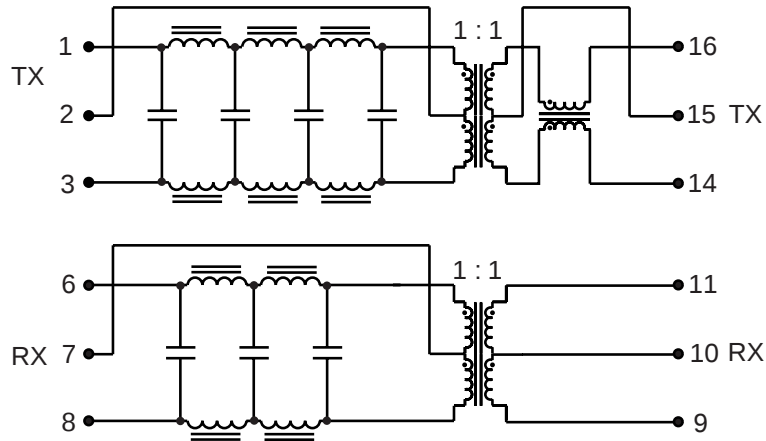
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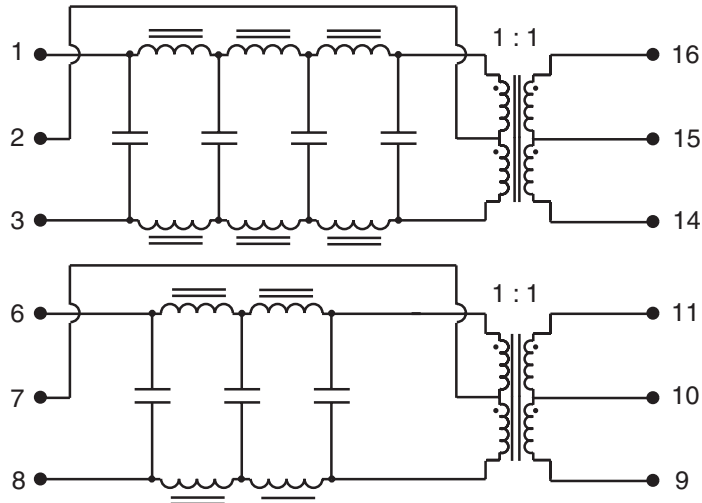
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SCHEMATICS

A556-2006-00



A556-2006-DE
S556-5999-DE



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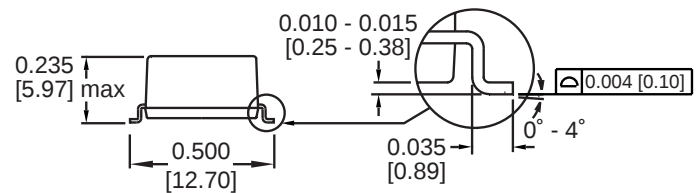
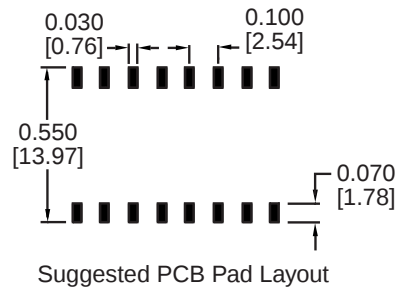
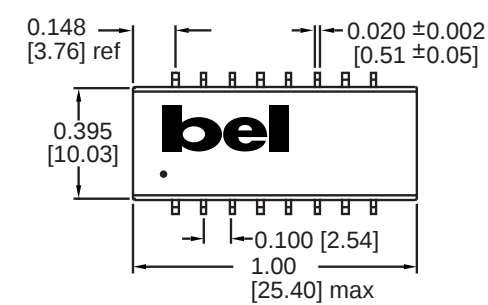
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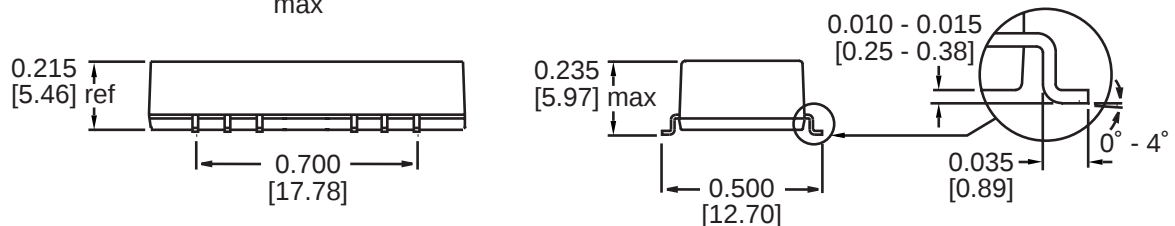
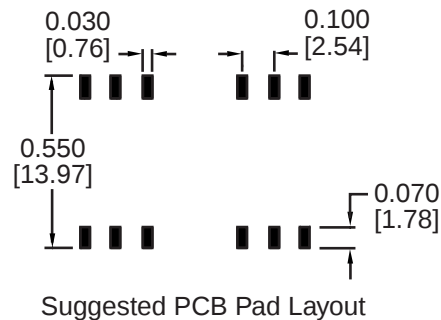
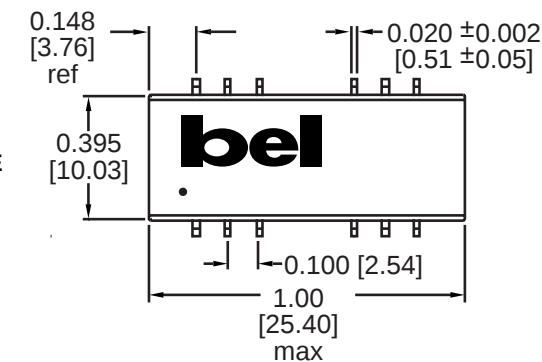
MECHANICALS

S556-5999-32
S556-5999-A4



Dimensions are in inches [millimeters].
Standard dimension tolerance is ±0.005 [0.13] unless otherwise noted.

S556-5999-02
S556-5999-DE

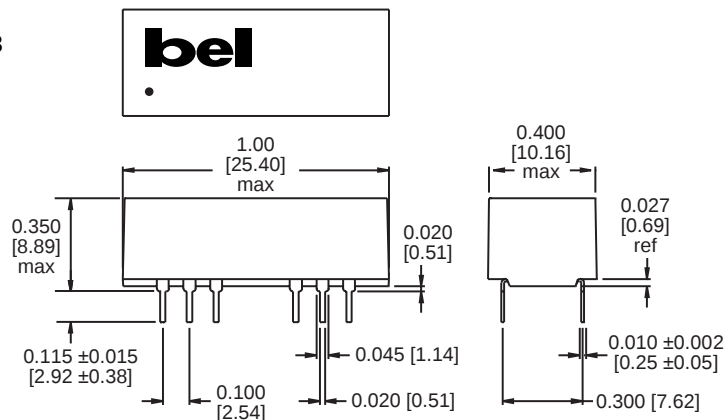


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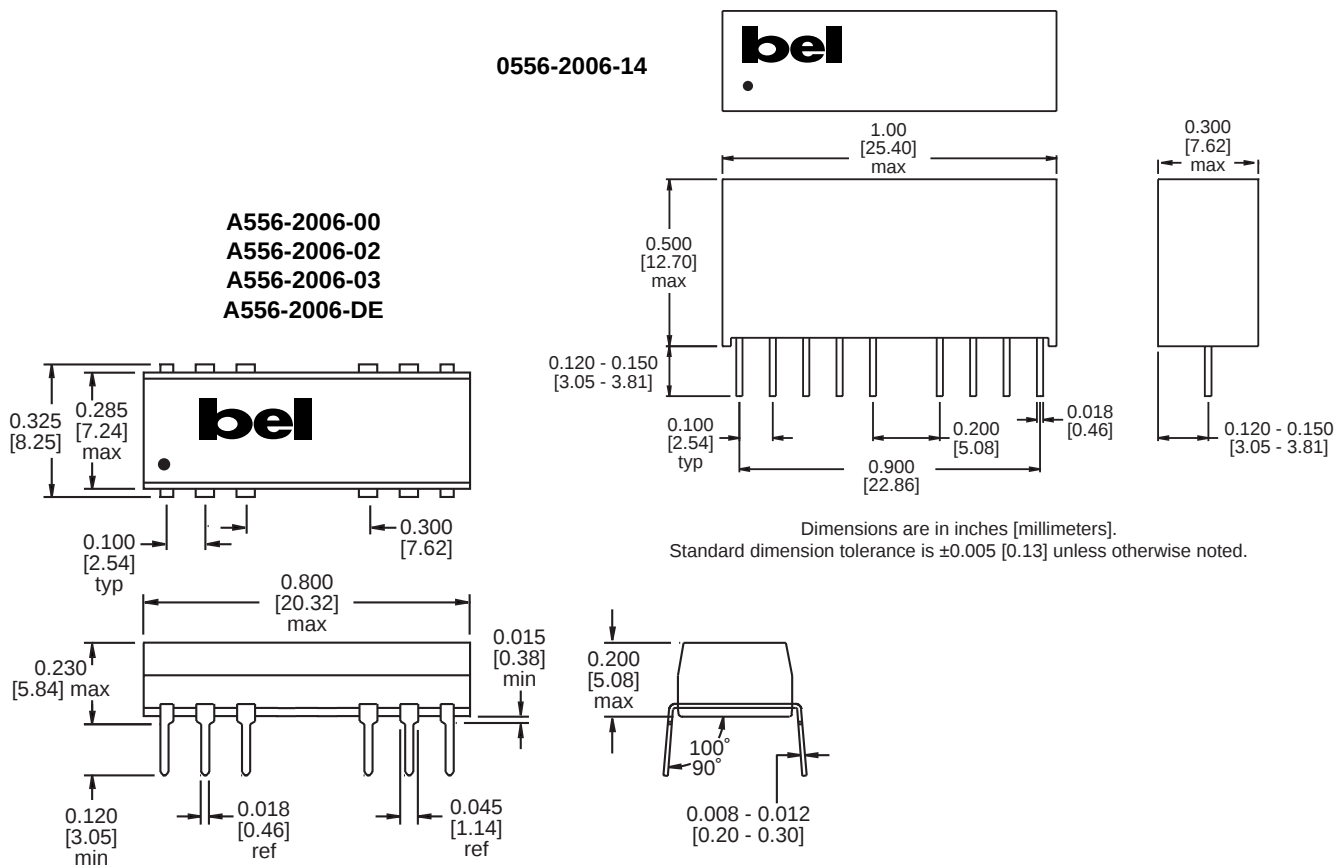
MECHANICALS

0556-3873-03



Dimensions are in inches [millimeters].
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0556-2006-14



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