

# 10BASE-T LAN MAGNETICS

## Single Port Transformer Modules

LM00504

- Transformer turns ratio RX 1CT : 1CT and TX 1CT : 1.41CT
- Single-port modules available with and without common mode chokes
- Utilizes standard packaging
- Low profile, surface mount packaging rated to 225° C peak IR reflow temperature
- Operating temperature 0° to 70° C
- Minimum interwinding breakdown voltage of 1500 Vrms

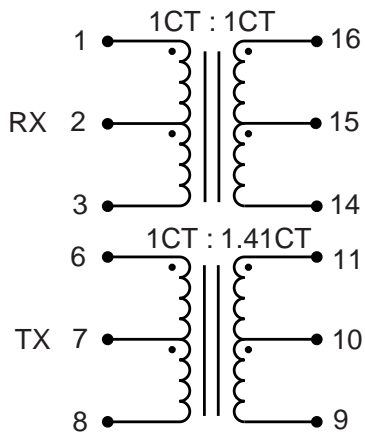
### ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Insertion Loss dB max	OCL μH min	Return Loss dB min	Common to Common Mode Rejection dB min		Crosstalk dB min
	1MHz to 10MHz		1MHz to 10MHz	10MHz to 30MHz	30MHz to 100MHz	1MHz to 10MHz
<b>Transformers Only</b>						
A553-0716-00	-1.0	140	-18	---	---	-40
S553-0716-00	-1.0	140	-18	---	---	-40
<b>Transformers and Common Mode Chokes</b>						
S553-5999-08	-1.0	110	-15	-40	-30	-40
S553-5999-37	-1.0	200	-15	-40	-30	-40
S556-5999-26	-1.0	110	-15	-40	-30	-40

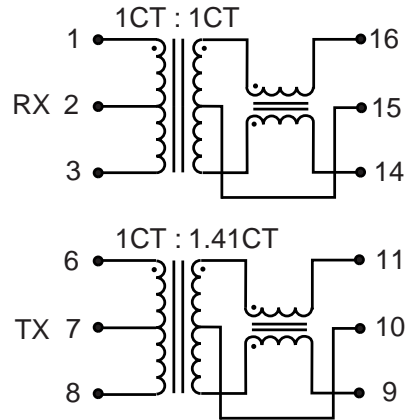
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### SCHEMATICS

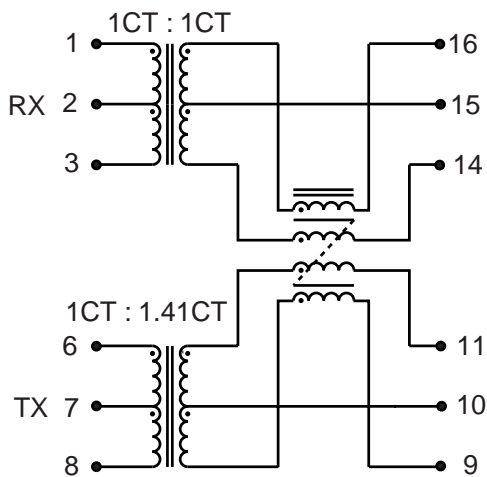
A553-0716-00  
S553-0716-00



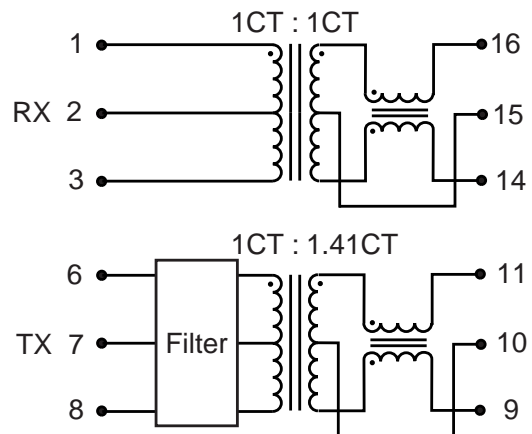
S553-5999-08



S553-5999-37



S556-5999-26



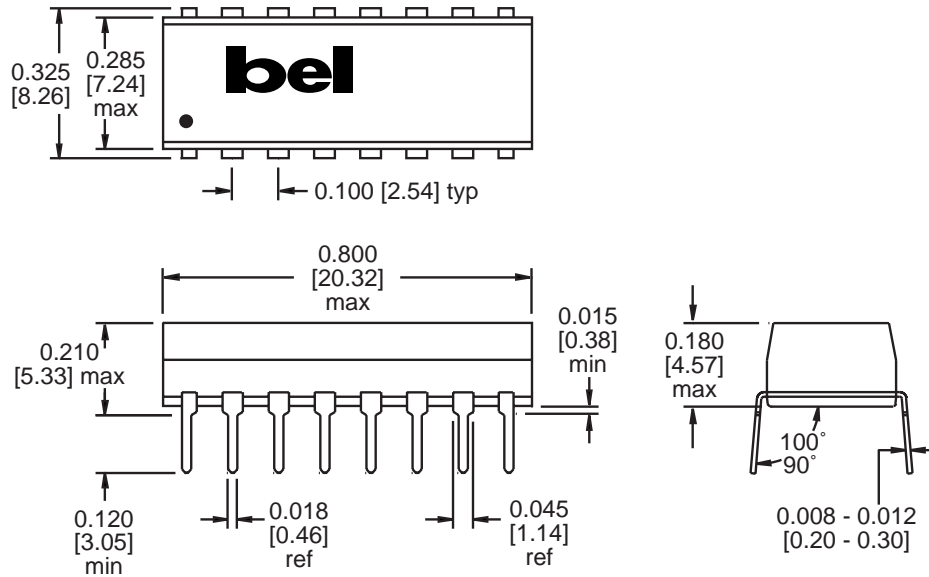
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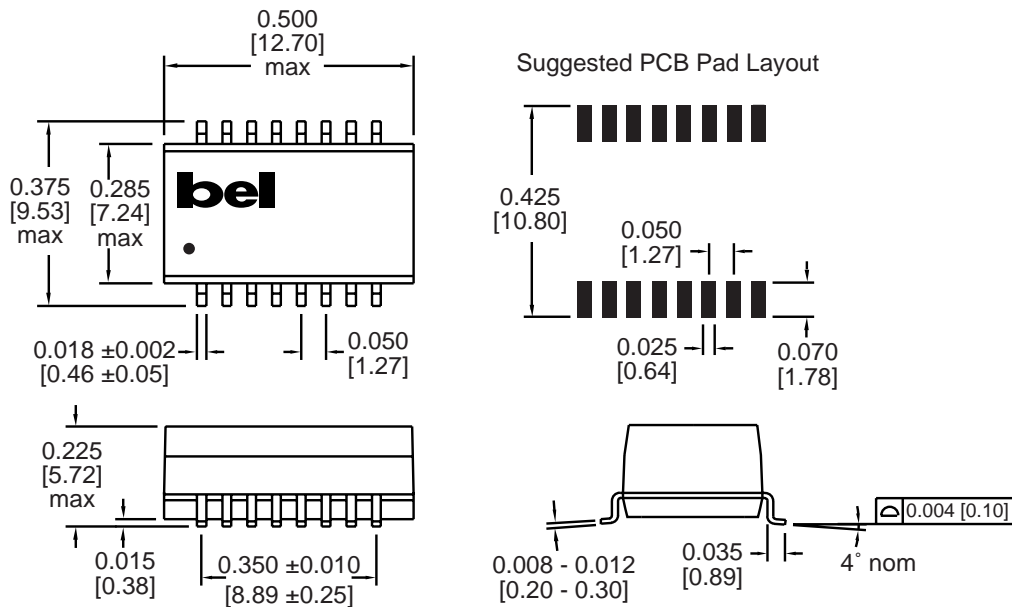
### MECHANICALS

A553-0716-00



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

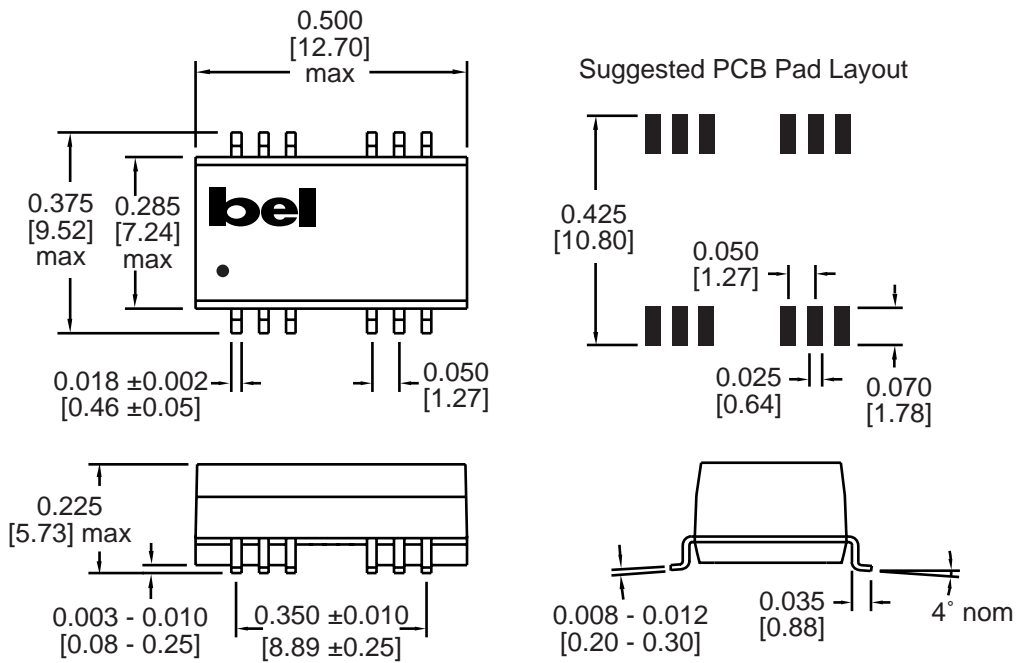
S553-0716-00  
S553-5999-08  
S553-5999-37



Dimensions are in inches [millimeters].  
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### MECHANICALS

S556-5999-26



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

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