

**UDLT**

**Input/Output Transformer**

**6102-1**

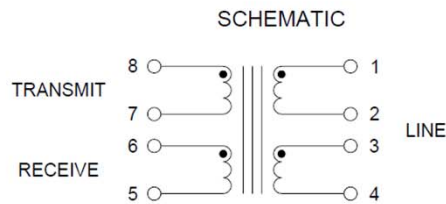
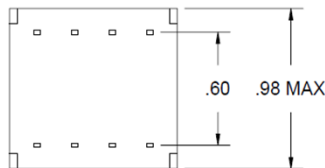
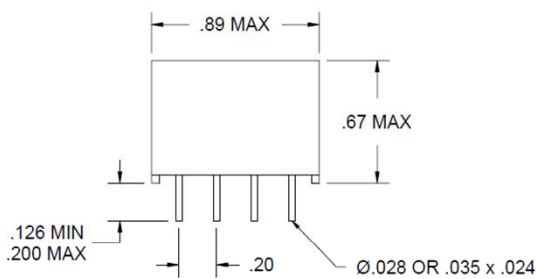
6102-1 is designed to interface with the Motorola MC145422/26 UDLT (Universal Digital-Loop Transceivers).

The MC145422/26 UDLT's are high-speed data transceivers that provide 80-kbps full-duplex data communications over 26 awg and larger twisted pair cable up to two kilometers in distance.

6102-1 is approved for the MC145422/26 UDLT chip set.

Contact Filtran customer service for RoHS-compliant version or alternate versions.

**MECHANICAL AND SCHEMATIC** (All dimensions in inches)



UNLESS OTHERWISE SPECIFIED,  
TOLERANCES: .XX ± .020  
.XXX ± .005

**ELECTRICAL SPECIFICATIONS @ 25°C**

Line Impedance		110	Ω	
Turns Ratio	(8-7):(1-4)	2:1		
	(8-7):(6-5)	2:4		
Inductance	(7-8)	> 1.75	MH	
Leakage Inductance	(7-8)	< 75	μH	Short to 2, 3 to 4 & 5 - 6
DCR	(1-4)	1.2	Ω	Nom
	(8-7)	2.5	Ω	Nom.
	(6-5)	4.2	Ω	Nom.
Interwinding Cap.		< 50	PF	
Dielectric Strength	(1-4) to (8-5) & (6-5)	1500	V rms	