

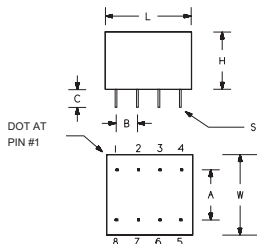
6102-1 is designed to interface with the Motorola MC145422/26 UDLT (Universal Digital-Loop Transceivers).

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.



MECHANICAL AND SCHEMATIC (All dimensions in inches)



Dimensions, Inches (mm)

P/N	DIMENSIONS						
	L	W	H	A	B	C	S
6102-1	0.87 (22.0)	0.83 (21.0)	0.63 (16.0)	0.60 (15.3)	0.20 (5.1)	0.17 (4.3)	0.025 (0.64)

ELECTRICAL SPECIFICATION

Line Impedance		110	Ω	
Turns Ratio	(8 - 7) : (1 - 4)	2 : 1		
	(8 - 7) : (6 - 5)	2 : 4		
Inductance	(7 - 8)	> 1.75	mH	@ 50 mA DC
Leakage Inductance	(7 - 8)	< 75	μ H	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.
Interwind Cap.		< 50	pF	
Dielectric Strength	(1 - 4) to (8 - 5) & (6 - 5)	1500	V rms	