

HDSL

Input/Output Transformer

TEW5791

TEW5791 is designed to be as an input/output transformer in HDSL applications as described in Bellcore TA-NWT-001210.

Features:

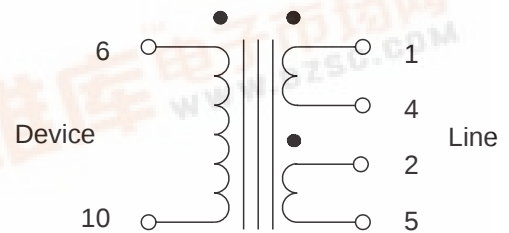
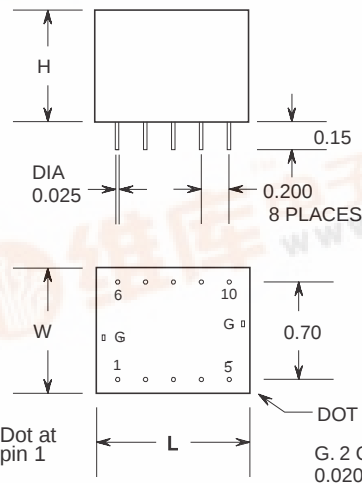
- Up to 160 mA loop current
- Excellent Longitudinal Balance
- Low distortion

Applications:

- HDSL service.
- High speed data transmission over twisted wire.



MECHANICAL



H	L	W
< 0.80"	< 1.10"	< 0.98"

ELECTRICAL SPECIFICATION

TEW5791

Line Impedance	(Ohms)		135	
DCR	(Ohms)	(6 - 10)	4.4	
		(1 - 4)	2.2	
		(2 - 5)	2.2	
Inductance	(mH)	(1 - 5)	> 10	160 mA
Leakage Ind.	(μ H)	(1 - 5)	< 20	(short 6 to 10)
Turns Ratio		(6 - 10) : (1 - 4) : (2 - 5)	2 : 1 : 1	
Interwinding Capacitance	(pF)	(1 - 5) to (6 - 10)	< 300	
Return Loss	(dB)	40 - 400 KHz	> 20	Note. Ground pin 6 on the device side for optimum balance
Longitudinal Balance	(dB)	200 KHz	> 65	
Distortion, THD	(dB)	5V p/p 200KHz level	> 75	160 mA dc through 1 - 5
Dielectric Strength	(Vrms)	(1 - 5) to (6 - 10) & (1 - 5) to core	1500	