

CEPT

Matching Transformer

TEW5043

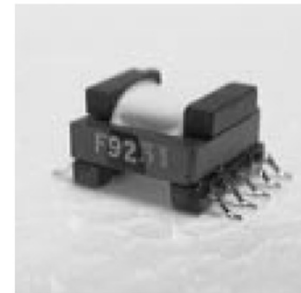
TEW5043 is specifically designed to match a 120 Ω twisted pair to a 75 Ω coaxial line in the CEPT trunk.

The Longitudinal balance exceeds the requirements of CCITT I.431.

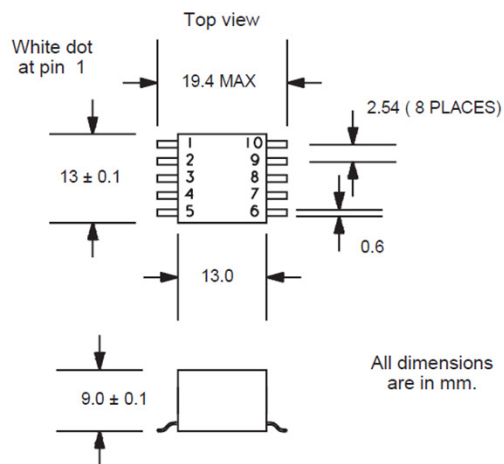
The Return Loss exceeds the requirements of CCITT G.703 and BS6328.

DO NOT USE IN NEW DESIGNS.

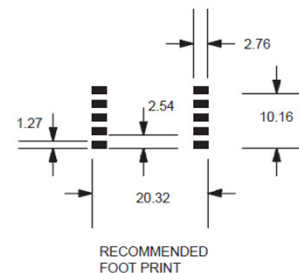
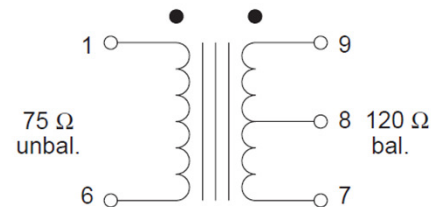
Use TEW5054 where possible.



MECHANICAL



All dimensions are in mm.



ELECTRICAL SPECIFICATIONS

TEW5043

Line Impedance	Pri. (1 - 6) Sec. (7 - 9)	75 Ω 120 Ω	unbalanced balanced
Turns ratio	(1 - 6) : (7 - 9)	1 : 1.26	
Inductance	(7 - 9)	> 5.0 mH	
Pulse Mask		CEPT	
Longitudinal Bal.	(CCITT I.431)	> 40 dB	50 - 1544 KHz
Return Loss	(CCITT G.703 and BS6328)	> 15 dB > 20 dB	50 - 100 KHz 100- 3000 KHz
Dielectric Strength		1500 Vrms	