TEW5009 is specifically designed to be used as an isolation transformer in test setups for testing Longitudinal Balance and Return Loss in Primary Rate and Basic Rate Circuits.
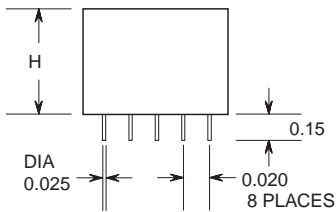
Special attention has been given to the problems associated with the coupling capacitance between windings when transforming from balanced to unbalanced circuits.

- Shield between windings.
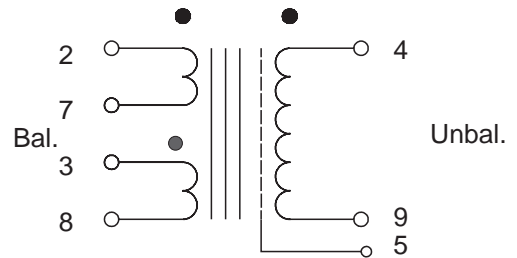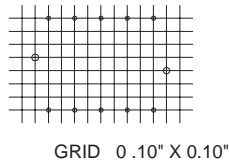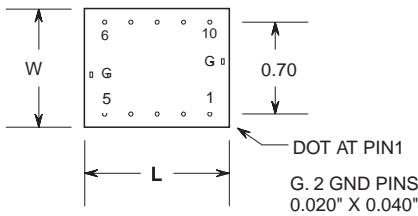- Very low Leakage Inductance.
- Excellent balance.

MECHANICAL

ALL DIMENSIONS ARE IN INCHES

0.15

DIA 0.025

0.020
8 PLACES

DRILL PATTERN
COMPONENT SIDE
2 HOLES DIA. 0.055"
10 HOLES DIA. 0.040"

6   10
G   G
5   1

0.70

DOT AT PIN1

GRID 0.10" X 0.10"

G. 2 GND PINS
0.020" X 0.040"

2
7
Bal.
3
8

4
Unbal.
9
5

Dimensions	
L	1.15" max.
W	1.00" max.
H	0.85" max

ELECTRICAL SPECIFICATIONS   TEW5009

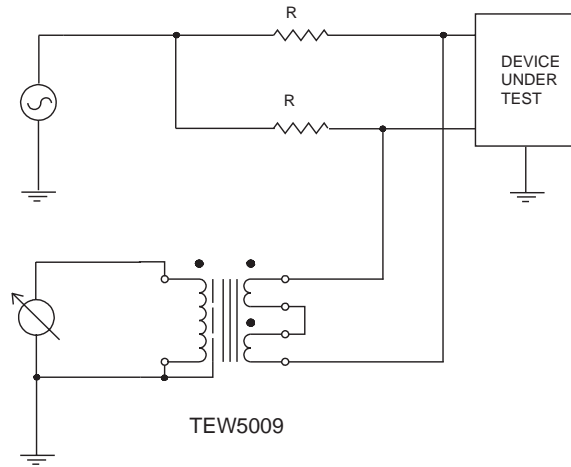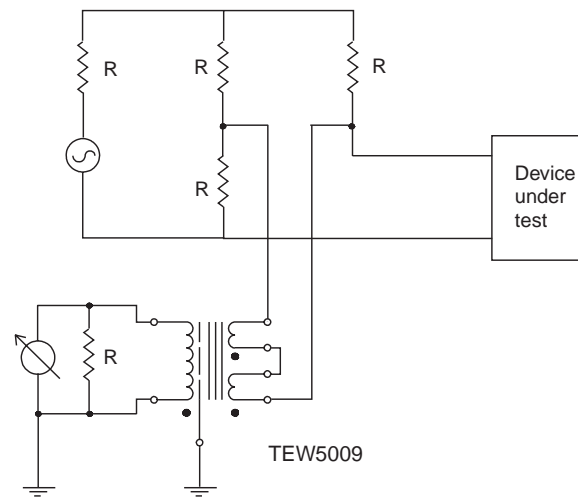|				
Impedance	Pri.	(2-7)+(3-8)	100 Ω Bal.	Range, 75 - 150 Ω
	Sec.	(4-9)	100 Ω Unbal.	" "
Frequency Response			< 1.0 dB	1 KHz - 10 Mhz
Turns ratio		(2-7):(3-8):(4-9)	1 : 1 : 2	
Inductance		(4-9)	> 20 mH	
Leakage Ind.			< 2.0 μH	
Wind. Res.	Pri.	(2-7)+(3-8)	1.92 Ω	
	Sec.	(4-9)	0.97 Ω	
Dielectric Strength			1500 Vrms	

Figure 1: Test circuit for Longitudinal Balance.

Figure 2: Test circuit for Return Loss