

# 100 kHz Switching Transformer

P1 = 45 TURNS #28  
 S1 = 19 TURNS 2 x #27  
 S2 = 11 TURNS #32  
 C1 = 9 TURNS #32

P1 = Primary Winding  
 S1 = Secondary Winding  
 S2 = Secondary Winding  
 C1 = Control Winding

## Order of Windings

P1  
 Tape  
 Shield  
 Tape  
 S1+S2  
 Tape  
 C1  
 Tape

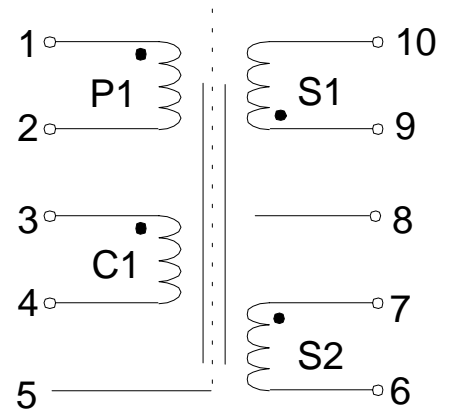
CORE: Mag. Inc. F-42510-EC  
 0.004 mil gap

BOBBIN: PCB2510 or equivalent

ISOLATION VOLTAGE:  
 (S1,S2) to P1 10K VDC MIN.

Inductance Pins 1 - 2 = 535  $\mu$ H  $\pm$  5%

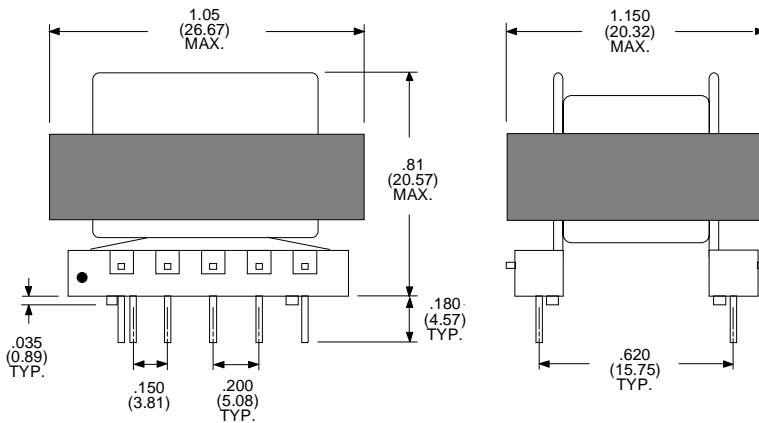
## SCHEMATIC DIAGRAM



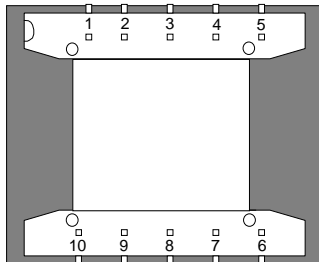
Pin #5 connected to internal electro-static shield.

Pin #8 connected to external electro-magnetic shield

## PHYSICAL DIMENSIONS All dimensions in inches (mm):



Note: 150° Spacing Only  
 Between Pins 1 & 2



NOTCH INDICATES  
 TERMINAL # 1

RHOMBUS P/N: T-1165

CUST P/N:

NAME: 1 OF 1

DATE: 07/02/98

SHEET: 1 OF 1