

# 0505-0641

FLYBACK POWER SUPPLY TRANSFORMER  
 FOR USE WITH  
 POWER INTEGRATIONS, INC. TOPSwitch (tm) POWER SUPPLY  
 IN ECHELON PLT-20 TRANSCIEVER APPLICATIONS

URNS RATIO: 13.5 : 1 : 1 (PRI : BIAS : SEC)

DC RESISTANCE, PRI: 6.9 ohms  
 BIAS: .59 ohm  
 SEC: .04 ohm

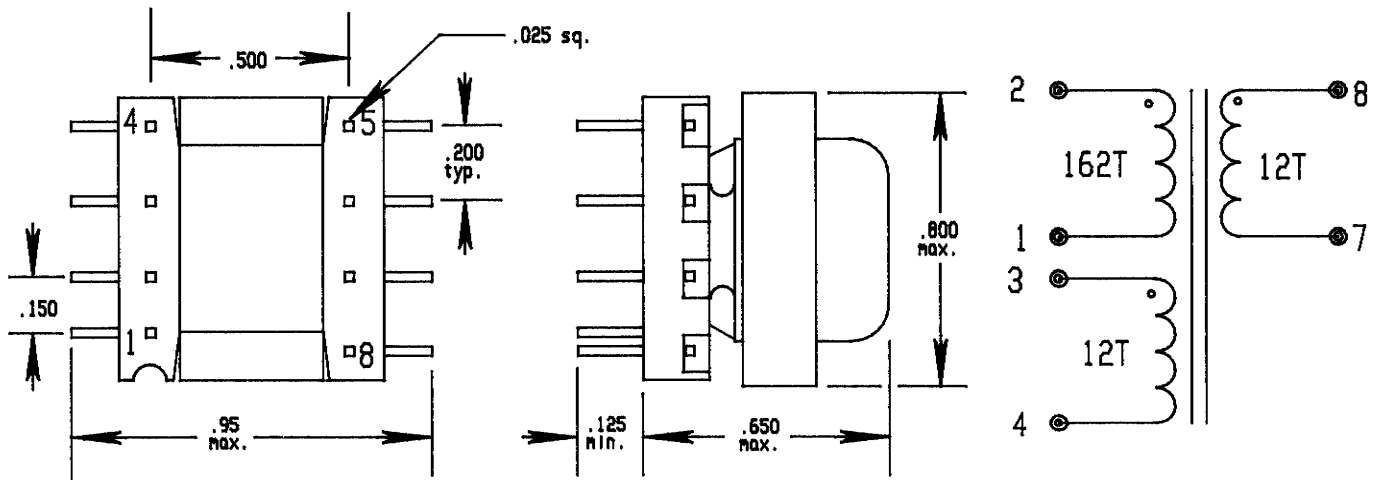
PRIMARY INDUCTANCE: 3.5 mH +/- 15%

LEAKAGE INDUCTANCE: <150 uH

DIELECTRIC STRENGTH: 3000VRMS BETWEEN PRI/ BIAS AND SECONDARY

THIS FLYBACK POWER TRANSFORMER IS DESIGNED FOR USE WITH POWER INTEGRATIONS, INC., PWR-TOP200YA1, PWM POWER SUPPLY IC. PLEASE REFER TO "DESIGN EXAMPLE NO. 1 FOR ECHELON'S PLT-20 POWER LINE TRANSCIEVER" FOR SPECIFIC CIRCUIT DESIGN AND PERFORMANCE DATA. TRANSFORMER DATA SUBJECT TO CHANGE WITHOUT NOTICE.

TOPSwitch is a registered trademark of Power Integrations Corporation. ECHELON is a registered trademark of Echelon Corporation.



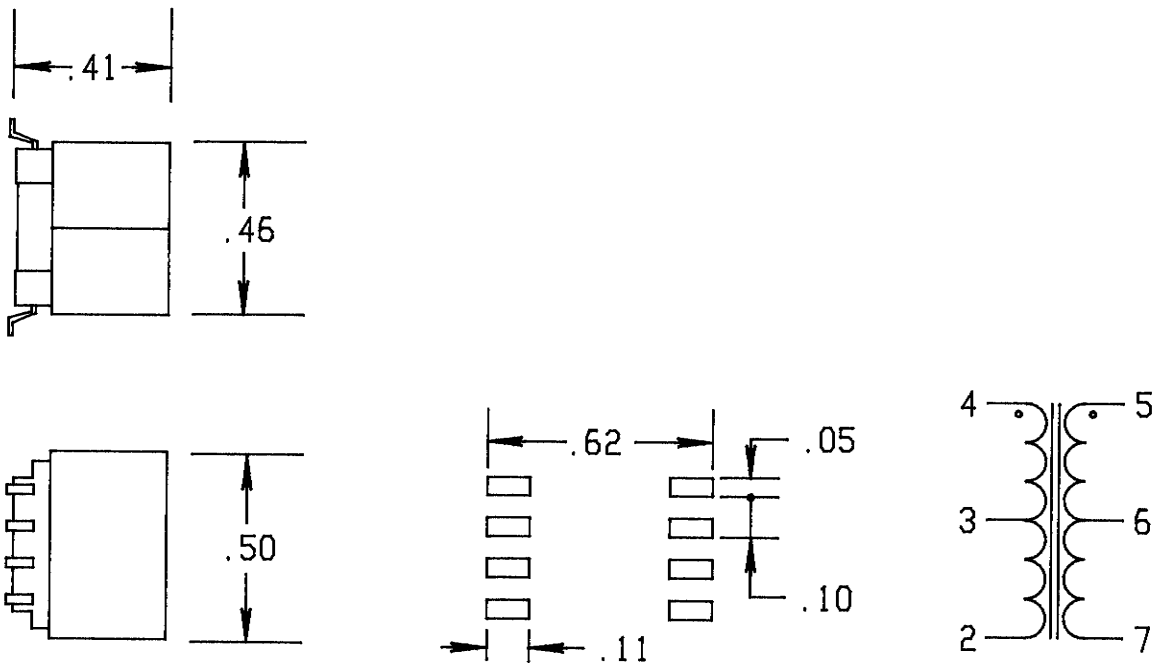
TOLERANCES UNLESS OTHERWISE SPECIFIED .010"

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Surface Mount Transformer Package  
for  
78 Kbps Twisted Pair Applications

Primary DC Resistance (2-4): 5.5 ohms max.  
Secondary DC Resistance (5-7): 11.3 ohms max.  
Turns Ratio Pri. to Sec. : 1ct to 2ct  
Primary Inductance: 35-60 mH  
Dielectric Strength: 1500 VRMS for 1 minute  
Operating Temp.: 0 to +85 ° C  
Storage Temp.: -40 to 105 ° C

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