

# SMD ADSL Transformer

SPECIFICATIONS :

ELECTRICAL :

D.C. RESISTANCE : 10-7 = 0.74 OHMS  $\pm 10\%$  @ 20°C

8-9 = 0.74 OHMS  $\pm 10\%$

1-3 = 0.57 OHMS  $\pm 10\%$

2-4 = 0.78 OHMS  $\pm 10\%$

INDUCTANCE : 1.2 mH  $\pm 10\%$  @ 20KHz , 2V, Ls 1-4(TIE 3+2)

TURNS RATIO : (7-10):(1-4) = 1:1  $\pm 1\%$  (TIE 8+9,2+3) 400KHz , 1VAC

LEAKAGE INDUCTANCE : 10.0  $\mu$ H MAX. 100KHz, 0.1V ,Ls 1-4 (TIE 2+3 , 8+9 , 10+7)

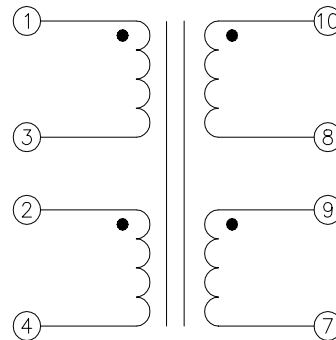
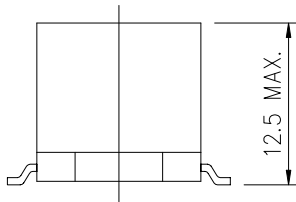
INSERTION LOSS : 0.5 dB MAX. @ 300KHz 10-7(TIE 2+3,8+9)

INTERWINDING CAP : 40 pF MAX. @ 10KHz , 1V Cs 10-1(TIE 8+9,2+3)

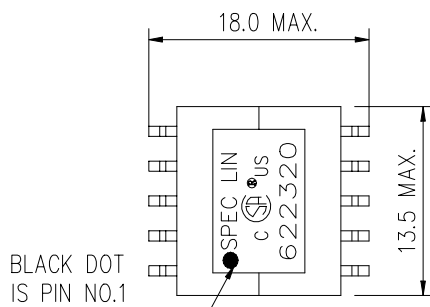
FERQ. RESP :  $\pm 0.5$  dB @ 100KHz ,  $\pm 0.7$  dB @ 1.1MHz

HI-POT TEST : 1500 Vrms BETWEEN 10-1(TIE 8+9,2+3) 1mA FOR 1 MIN.

1875 Vrms BETWEEN 10-1(TIE 8+9,2+3) 1mA FOR 1 SEC.

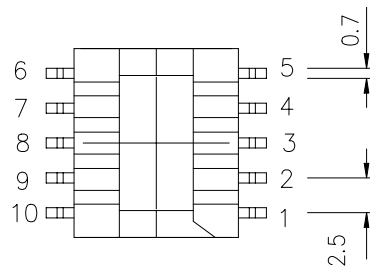


SCHEMATIC



BLACK DOT IS PIN NO.10

TOP VIEW



BOTTOM VIEW

CHECKUP : \_\_\_\_\_

DESIGN : \_\_\_\_\_

DRAWEE : \_\_\_\_\_

**SPEC LIN ENTERPRISE CO. LTD.**

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AGENCY NO.

UL NO. : E181559

CSA NO. 205889

ISO 9002 : 036809750

DRAWING NO.

**622320**

UNITS  
mm

SHEET  
1 OF 1

