

# ISDN S-INTERFACE TRANSFORMER

## P/N:S5013 DATA SHEET

### A. CHARACTERISTIC DATA:

1.  $R_I = R_{II} = 0.6\Omega$
2.  $R_{III} = 2.5\Omega$
3.  $I_{dc} = 3.6mA$
4.  $R_{IV} \sim VII = 1.05\Omega$

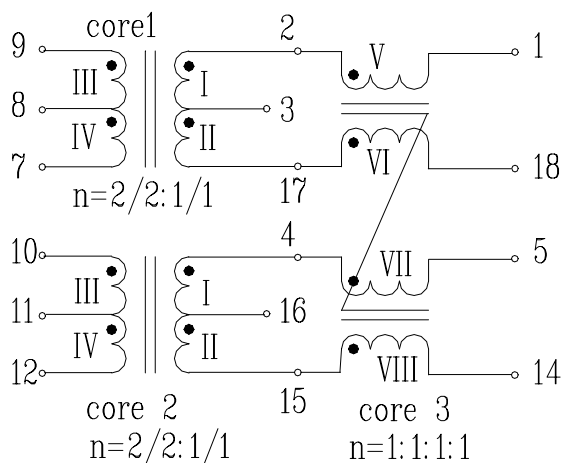
### B. ELECTRICAL SPECIFICATIONS @25°C

1.  $L_{I+II} > 30mH$  (NI+II SERIES) AT 10KHz 100mV (CORE 1, 2)
2. POLARITY AND TURNS RATIO TOLERANCE:  $\pm 1\%$  (CORE1, 2, 3)
3.  $C_K < 120pF$  (NIII TO NI+IIV || NII+V OR NI+VI || NII+VII,) AT 10KHz 100mV (CORE 1,2)
4.  $L_S I+II < 3uH$ , (NI+II SERIES, NIII+ SHORTED) AT 100KHz 100mV (CORE 1,2)
5.  $L_S IV < 0.6uH$  (NV VI VII SHORTED) AT 100KHz 100mV (core 3)
6.  $L_{IV} = L_V = L_{VI} = L_{VII} = 5.0mH \pm 50\% / -30\%$  AT 10KHz 100mV (core 3)
7.  $Z_I = Z_{II} > 625\Omega$  AT 20KHz 100mV WITH  $I_{dc} = 3.6mA$  (CORE 1,2)
8. HI-POT TEST:

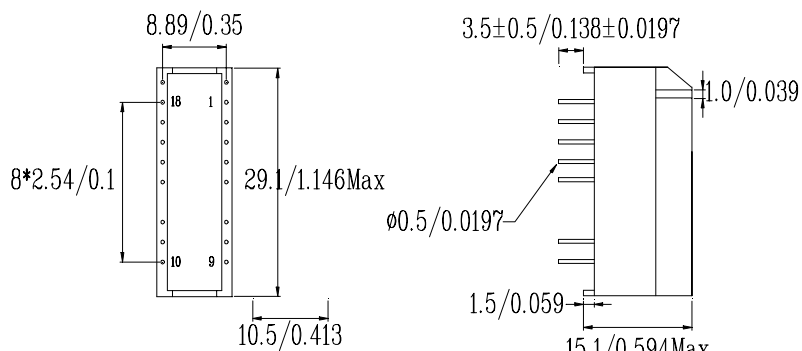
$U_p = 1.5KV_{rms}$ , 1S (NI/II (CORE 1+CORE 2) TO NIII (CORE 1+CORE 2) )

$U_p = 0.5KV_{rms}$ , 1S (NIV+V (CORE 3)+N III (CORE 1) TO NVI+VII (CORE 3)+N III (CORE 2) )

### C. SCHEMATIC & DIMENSIONS & MARKING (UNIT mm/inches):



PIN 1 DOT



Tolerances :  $\pm 0.2mm$