ELECTRICAL CHARACTERISTICS @ 25°C

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: \((P_6-P_5-P_4) : (J_6-J_3)\)
\((P_3-P_2-P_1) : (J_2-J_1)\)
: 1CT : 1CT±3%

2.0 INDUCTANCE:
\((P_6-P_4)\) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
\((P_3-P_1)\) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT)
P3-P1 (WITH J2 AND J1 SHORT)
: 0.3 MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE:
\((P_6,P_5,P_4) \text{ TO } (J_6,J_3)\)
\((P_3,P_2,P_1) \text{ TO } (J_2,J_1)\)
: 30pf MAX. @ 1MHz

5.0 DC RESISTANCE: (J6-J3)=(J2-J1)
: 1.2 ohms Max.

RECEIVE

6.0 RETURN LOSS:
1MHz TO 30MHz
60MHz TO 80MHz
: 18dB MIN.
: 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

7.0 DIELECTRIC WITHSTAND:
\((J_1,J_2) \text{ TO } (P_1,P_3)\)
\((J_3,J_6) \text{ TO } (P_4,P_6)\)
: 1500 Vrms

8.0 INSERTION LOSS: \(RS=RL=100\) ohms
100KHz TO 100MHz
: 1.1 dB TYP

9.0 RISE TIME: \(RS=100\) OHMS AND RL = 100 OHMS
OUTPUT VOLTAGE = 1 V peak
PULSE WIDTH = 112nS
: 3.0 nS MAX
: 3.0 nS MAX

10.0 CROSS TALK: 1MHz TO 100MHz
: 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION:
30MHz TO 100MHz : 35dB TYP

NOTES
1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.

2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±0.005 [0.13]