

1000pF, 2KV

NOTES

1.0 COMPLIES WITH DIRECTIVE 2002/95/EC THE ELIMINATION OF HAZARDOUS SUBSTANCES IN ELECTRONIC PRODUCTS

2.0 UNUSED PIN P7

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P4-P5-P6) : (J3-J6)  
(P3-P2-P1) : (J1-J2)

: 1CT : 1CT ± 3%  
: 1CT : 1CT ± 3%

2.0 INDUCTANCE: (P4-P6)  
(P3-P1)

: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias  
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3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT)  
P3-P1 (WITH J2 AND J1 SHORT)

: 0.3 MAX. @ 1MHz  
: 0.3 MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3)  
(P3,P2,P1) TO (J2,J1)

: 30pf MAX @ 1MHz  
: 30pf MAX. @ 1MHz

5.0 DC RESISTANCE: (J6-J3)=(J2-J1)

: 1.35 ohms Max.

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SHEET 1 OF 3

6.0 RETURN LOSS: (P4-P6)=100 OHMS AND (P1-P3)=100 OHM REF.

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

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

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3)  
(J3, J6) TO (P4, P6)

: 1500 VAC  
: 1500 VAC

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

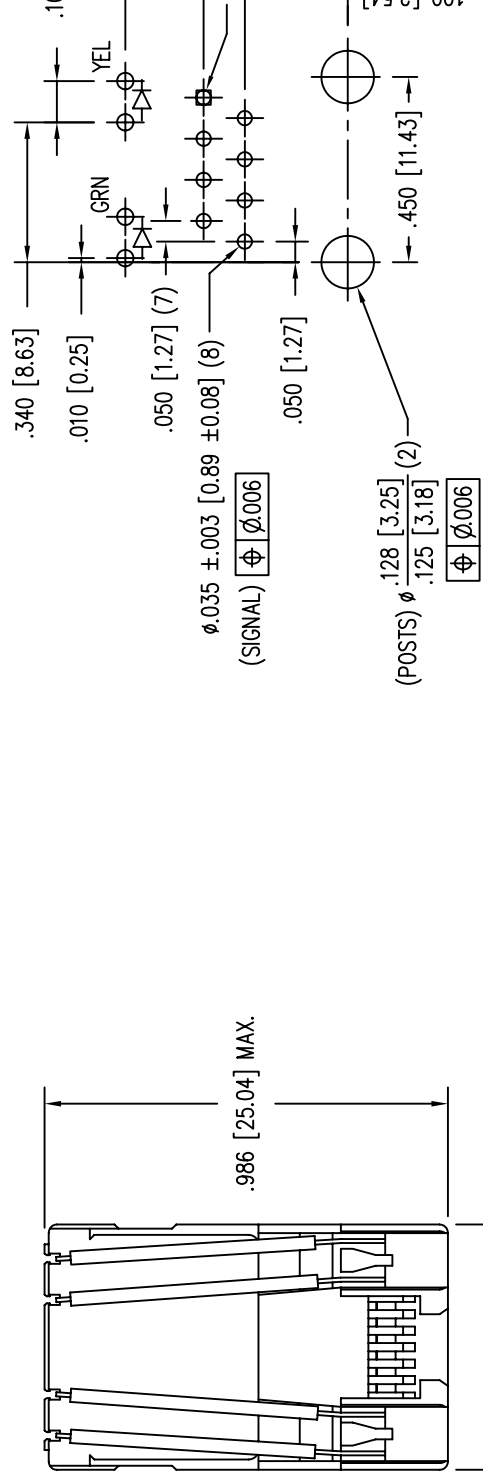
: 3.0 nS MAX  
: 3.0 nS MAX

10.0 CROSS TALK: 1-100 MHz

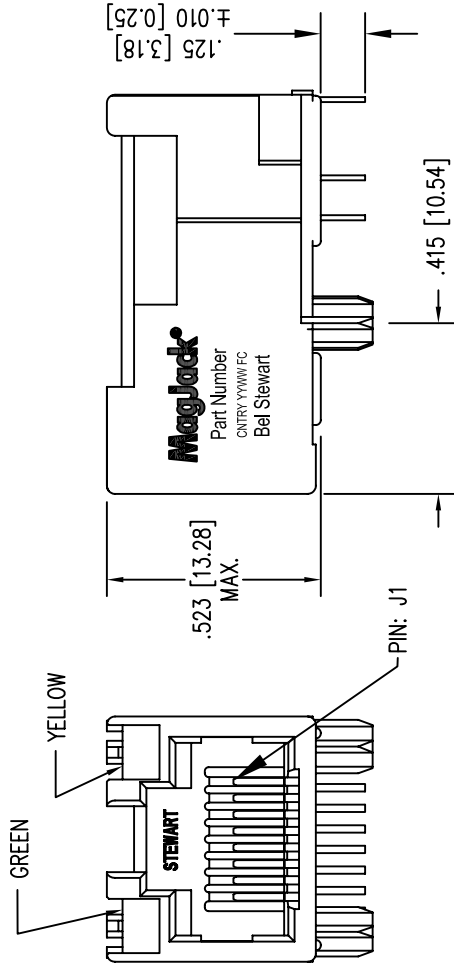
: 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz

: 35dB TYP



P.C.B. RECOMMENDED HOLE LAYOUT  
SEEN FROM COMPONENT SIDE  
ALL CENTERLINE DIMENSIONS ARE B



NOTES:

1. CONNECTOR MATERIAL:  
HOUSING: THERMOPLASTIC  
CONTACT: COPPER ALLOY  
CONTACT PLATING: SELENIUM  
50
2. PIN NOT ELECTRICAL  
SEE ELECTRICAL DRAWING
3. TOLERANCES COMPLY WITH ASME Y14.5
4. ALL TOLERANCES NOTED ARE UNLESS OTHERWISE SPECIFIED
5. WAVE SOLDER COMPATIBLE

LED SPECIFICATION		
STANDARD LED	WAVELENGTH	* Forward V (MAX) (TYP)
GREEN	565 nm	2.5 V 2.1 V
YELLOW	590 nm	2.5 V 2.1 V

\*WITH A FORWARD CURRENT OF 20 mA



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SHEET 3 OF 3

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