

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P1-P3-P2) : (J3-J6) : 1CT : 1CT ± 3% (P7-P6-P8) : (J1-J2) : 1CT : 1CT ± 3%

2.0 INDUCTANCE: (P7-P8) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias (P1-P2) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P1-P3-P2 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz P7-P6-P8 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P1,P3,P2) TO (J6,J3) : 30pf TYP @ 1MHz (P8,P6,P7) TO (J2,J1) : 30pf TYP @ 1MHZ

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

Bel Stewart Connector 11118 Susquehanna Trail, South Glen Rock, Pa 17327-9199

MagJack*

http://www.stewartconnector.com

SHEET 1 OF 3

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TOLERANCE.

CONNECTION ARE OMITTED.

2.0 ALL RESISTORS ARE ±5%

SI - 50079

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RECEIVE

6.0 RETURN LOSS: (P7-P8)=100 OHMS AND (J6-J3) =100 OHM REF.

1MHz TO 30MHz : -18dB MIN.

30MHz TO 60MHz : -(19-20 LOG (f/30MHz))

60MHz TO 80MHz : 12dB MIN.

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

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P7, P8) (J3, J6) TO (P1,P2) : 1500 VAC

: 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms

1-65MHz : -1 dB MAX

9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS

OUTPUT VOLTAGE = 1 V peak: 3.0 nS MAX PULSE WIDTH= 112nS : 3.0 nS MAX

10.0 CROSS TALK: 1-65MHz : -35 dB MIN

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : -30dB MAX

100MHz TO 130MHz : -20dB MAX

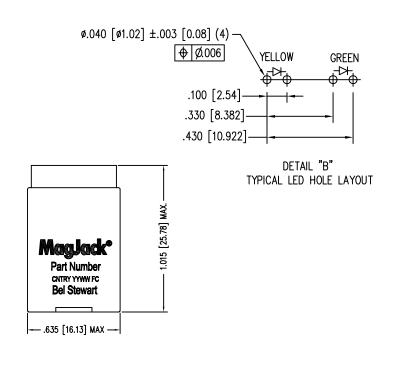
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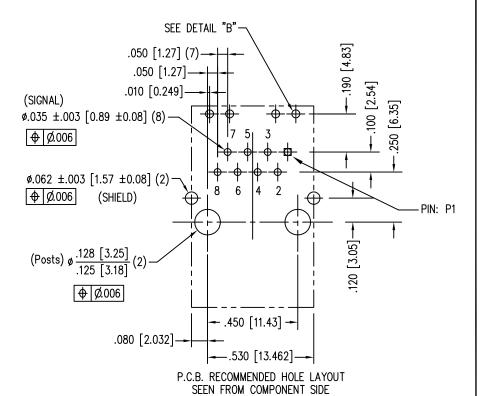
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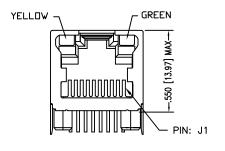
SHEET 2 OF 3

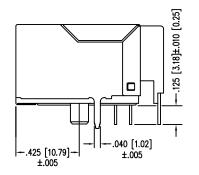
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LED SPECIFICATION			
STANDARD LED	WAVELENGTH	* Forward V (MAX)	(TYP)
GREEN	565 nm	2.5 V	2.1 V
YELLOW	590 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA

NOTES:

1. CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-O
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,

ALL CENTERLINE DIMENSIONS ARE BASIC.

- 50 MICRO-INCHES MIN. IN CONTACT AREA.
- 2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED. SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- 3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- 4. WAVE SOLDER COMPATIBLE PREHEAT 125°C/90SECS.

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SHEET 3 OF 3 DRAWING NO. SI-50079 REV. 06