

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

2.0 ALL RESISTORES ARE ±5% TOLERANCE.

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P8-P6-P7) : (J3-J6) : 1CT : 1CT $\pm 3\%$ (P4-P5-P3) : (J1-J2) : 1CT : 1CT $\pm 3\%$

2.0 INDUCTANCE: (P7-P8) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias (P4-P3) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P8-P7 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz P4-P3 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P8,P6,P7) TO (J6,J3) : 25pf TYP @ 1MHz (P4,P5,P3) TO (J2,J1) : 25pf TYP @ 1MHZ

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

6.0 RETURN LOSS: (P7-P8)=100 OHMS AND (P1-P2)=100 OHM REF.

1MHz TÓ 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) : 1500 VAC (J3, J6) TO (P1,P2) : 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

Bel Stewart Connector
11118 Susquehanna Trail, South

Glen Rock, Pa 17327-9199

717.234.7512

magyack"

http://www.stewartconnector.com

STEWART SHEET

1 OF 3

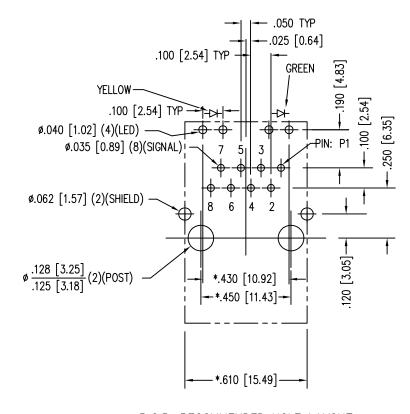
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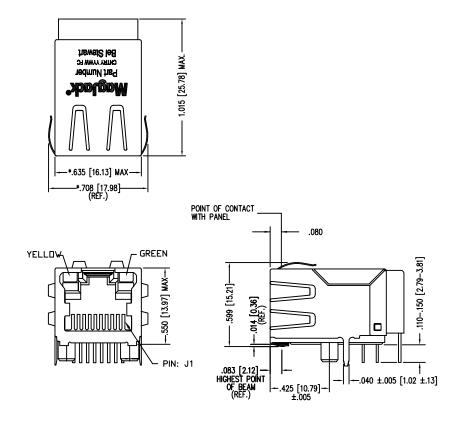
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STANDARD LED	WAVELENGTH	* Forward V (MAX)	(TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

^{*} WITH A FORWARD CURRENT OF 20 mA



P.C.B. RECOMMENDED HOLE LAYOUT SEEN FROM COMPONENT SIDE TOLERANCE ±.003 [0.08] UNLESS OTHERWISE SPECIFIED



NOTES:

- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS
- DIMENSIONS SHOWN WITH "*" TO BE CENTRAL ABOUT CENTER LINE
- DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
 SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- 50 MICRO-INCH SELECTIVE GOLD PLATING

CT750006

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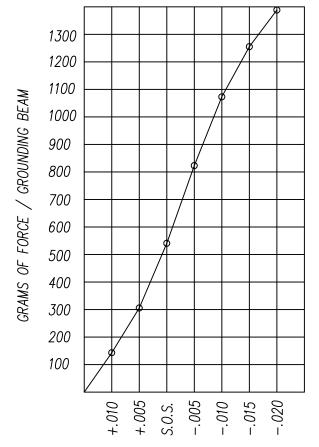
SHEET 2 OF 3

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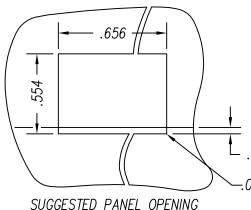
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PANEL GROUNDING BEAM DEFLECTION S.O.S. = SUGGESTED OPENING SIZE



POINT OF CONTACT
WITH PANEL

.080

.275 MAX

THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY. THESE VARIABLES CAN BE ADJUSTED IN EITHER DIRECTION BUT MAY CARRY SOME CONSEQUENCES IN THE FORM OF LOWER MATING FORCES OR TIGHTER ASSEMBLY TOLERANCES. FORCE VALUES ON THE GRAPH ARE GENERAL AVERAGES TAKEN AT THE POINT OF CONTACT SHOWN ABOVE. THE SUGGESTED PANEL OPENING INCLUDES APPROXIMATELY .020 CLEARANCE ON THE SIDES AND TOP AND .013 ON THE BOTTOM, AT PANEL OPENING.

.000 (TOP OF PCB TO BOTTOM OF OPENING)

-.010 MAX. RADIUS(4)

CT720034X1/24-001302

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