

CUSTOMER DRAWING

CATALOG #15SRBS1-S

| | | |
|-------|---------|---------|
| ECN # | APPRVD. | DATE |
| | PJD | 02MAY07 |

SAFETY ORGANIZATIONS

THIS FILTER HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET:

- UL RECOGNIZED: UL 1283
- CSA CERTIFIED: CSA 22.2, # 0.0.4.8
- VDE APPROVED: EN 133 200

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 15 AMP, 120/250 VAC,
10 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND:

| |
|--------------------|
| 19.2µA @ 120V 60Hz |
| 33.2µA @ 250V 50Hz |

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T₀, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I₀, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{100 - T_0}{60}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C
HUMIDITY: 21 DAYS @ 40°C 95% RH.
CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

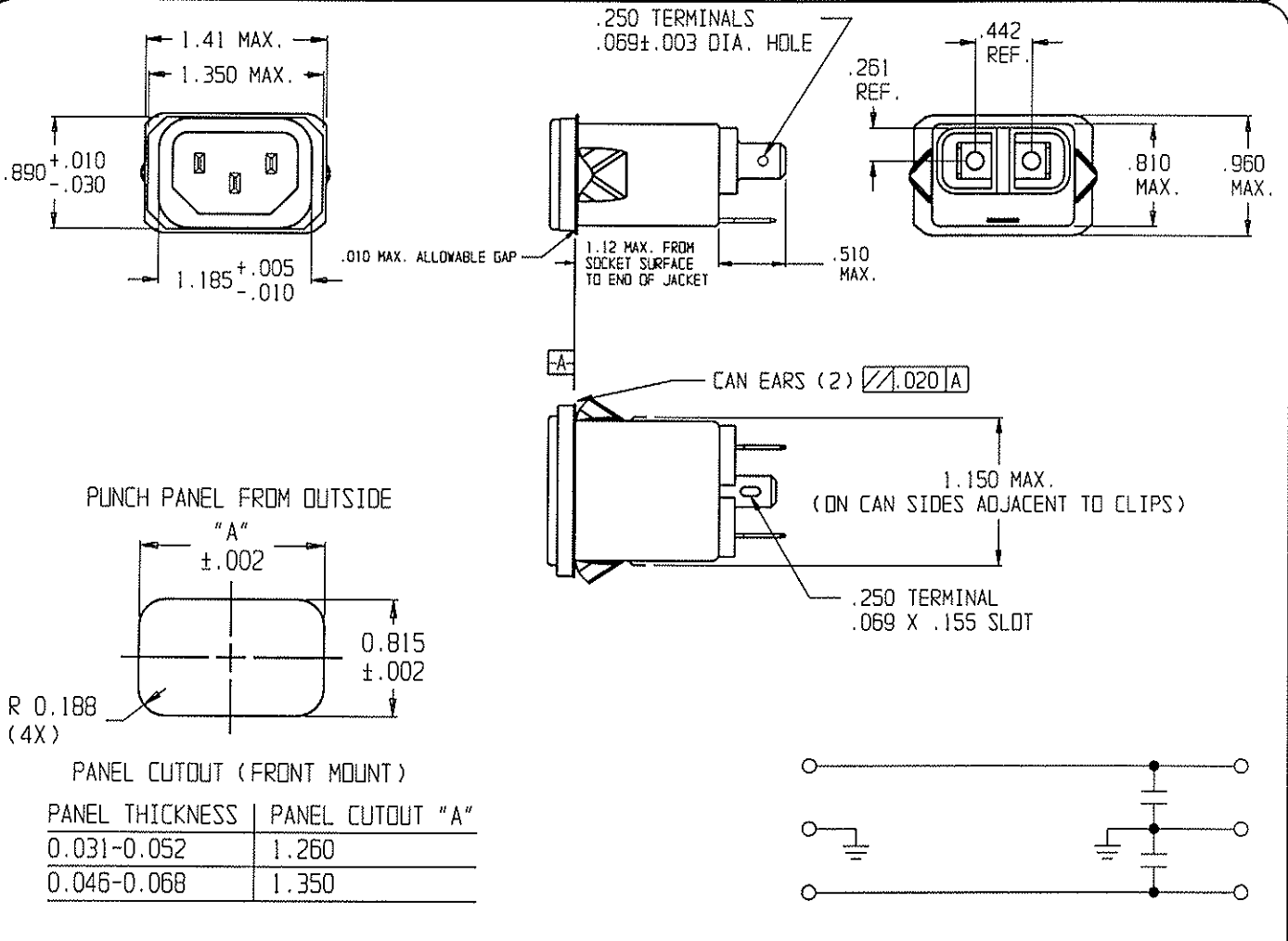
INDUCTANCE: N/A mH
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 220pF ± 20%
LINE TO LINE: N/A
DISCHARGE RESISTOR: N/A
L/G AND L/L I.R.: N/A
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.



| 50Ω - 50Ω (MINIMUM) INSERTION LOSS | | | | | | | THIRD ANGLE PROJECTION | | tyco / Electronics CORCOM <small>620 S. BUTTERFIELD RD. MUNDLEIGH IL 60060</small> |
|------------------------------------|-----|-----|----|----|-----|-----|--|--|--|
| FREQUENCY MHz | 1.0 | 5.0 | 10 | 50 | 100 | 300 | | | |
| COMMON dB | / | / | 1 | 6 | 17 | 19 | UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025 MATERIAL & FINISH: AS SUPPLIED | POWER LINE FILTER CAD FILE: G:\CO\15SRBS1-S00 TYCO # 2-6509987-1 SCALE: .75:1 DATE: 10MAR06 CATALOG NO. 15SRBS1-S REV. 0 DRW. BY: SD CRTG: PJD | |
| DIFF. dB | / | / | / | / | / | / | This document is proprietary to CORCOM INC and is not to be reproduced nor used for manufacturing purposes except on CORCOM'S prior written consent. | | |

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