

## 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, # 8  
TVU APPROVED: EN 60950

## OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 6 AMP, 125VDC

LINE FREQUENCY: DC

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: N/A

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

IN AN AMBIENT,  $T_o$ , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT,  $I_o$ , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{90 - T_o}{35}}$$

## 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: 0.465mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.0107µF ±20%  
LINE TO LINE: 0.1027µF ±20%  
DISCHARGE RESISTOR: 3.3MΩ  
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

## RECOMMENDED RECEIVING INSPECTION HIPOT:

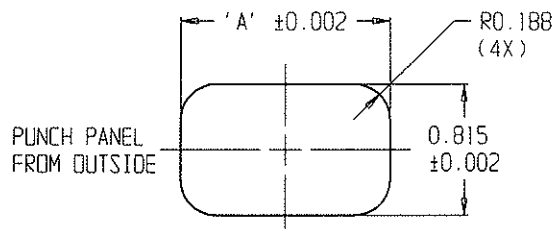
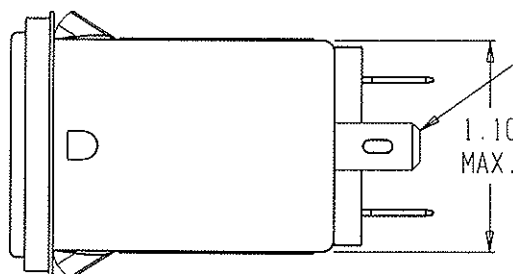
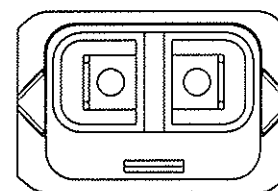
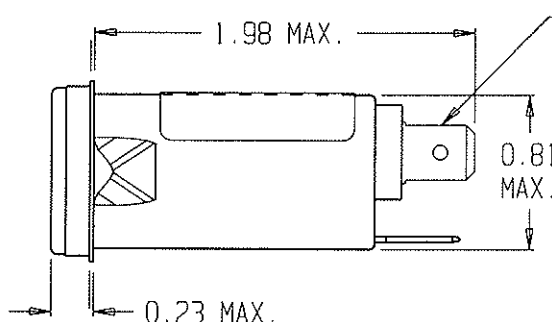
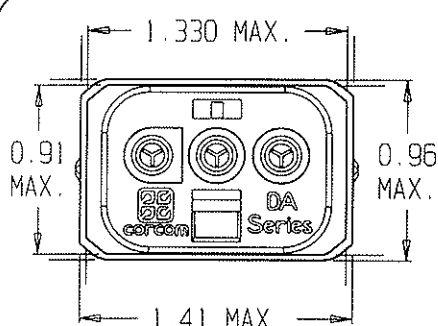
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE  
LINE TO LINE: 1450VDC FOR 1 MINUTE

## FILTER APPROVAL:

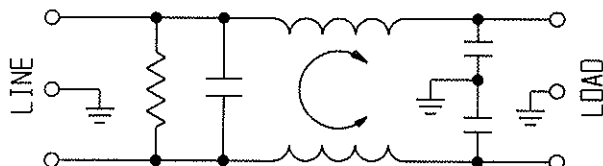
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

## CATALOG # 6DAS1

| ECO # | APPRVD. | DATE |
|-------|---------|------|
| /     | KAW     | /    |



PANEL CUTOUT (FRONT MOUNT)



| PANEL THICKNESS | PANEL CUTOUT "A" |
|-----------------|------------------|
| 0.031-0.052     | 1.260            |
| 0.046-0.068     | 1.350            |

## 50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | 0.05 | 0.10 | 0.15 | 0.5 | 1.0 | 3.0 | 5.0 | 10 | 30 | 100 | 200 |
|---------------|------|------|------|-----|-----|-----|-----|----|----|-----|-----|
| COMMON dB     | 2    | 4    | 6    | 18  | 30  | 37  | 42  | 48 | 42 | -   | -   |
| DIFF. dB      | -    | 4    | 7    | 19  | 21  | 17  | 40  | 53 | 41 | -   | -   |

THIRD ANGLE PROJECTION



UNLESS OTHERWISE SPECIFIED,  
TOLERANCE TO BE ±0.025  
MATERIAL & FINISH: AS SUPPLIED

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## CUSTOMER DRAWING 6DAS1

TYCO: 2-1609075-1

| SCALE:       | DATE:     | CATALOG NO. | REV. |
|--------------|-----------|-------------|------|
| NTS          | 22OCT03   | 6DAS1       | A    |
| DRW. BY: ELC | ORIG: ELC |             |      |