

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 C22.2 No. 8
- VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 30 AMP 277 VAC LINE TO GROUND
30 AMP 480 VAC PHASE TO PHASE

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 30mA @ 277VAC 50 HZ

OPERATING AMBIENT TEMP. RANGE: -10°C TO +50°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T_a, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{100 - T_a}{50}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C
HUMIDITY: 21 DAYS @ 50°C 95% RH.
CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: 1.60 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 2.12 μF±20%
LINE TO LINE: 4.95 μF±20%
DISCHARGE RESISTOR: 660K
NO DISCHARGE RESISTOR: 6000Ω (MIN.) 100VDC, 20°C AND 50% RH

CUSTOMER DRAWING

CATALOG # 30BCF6

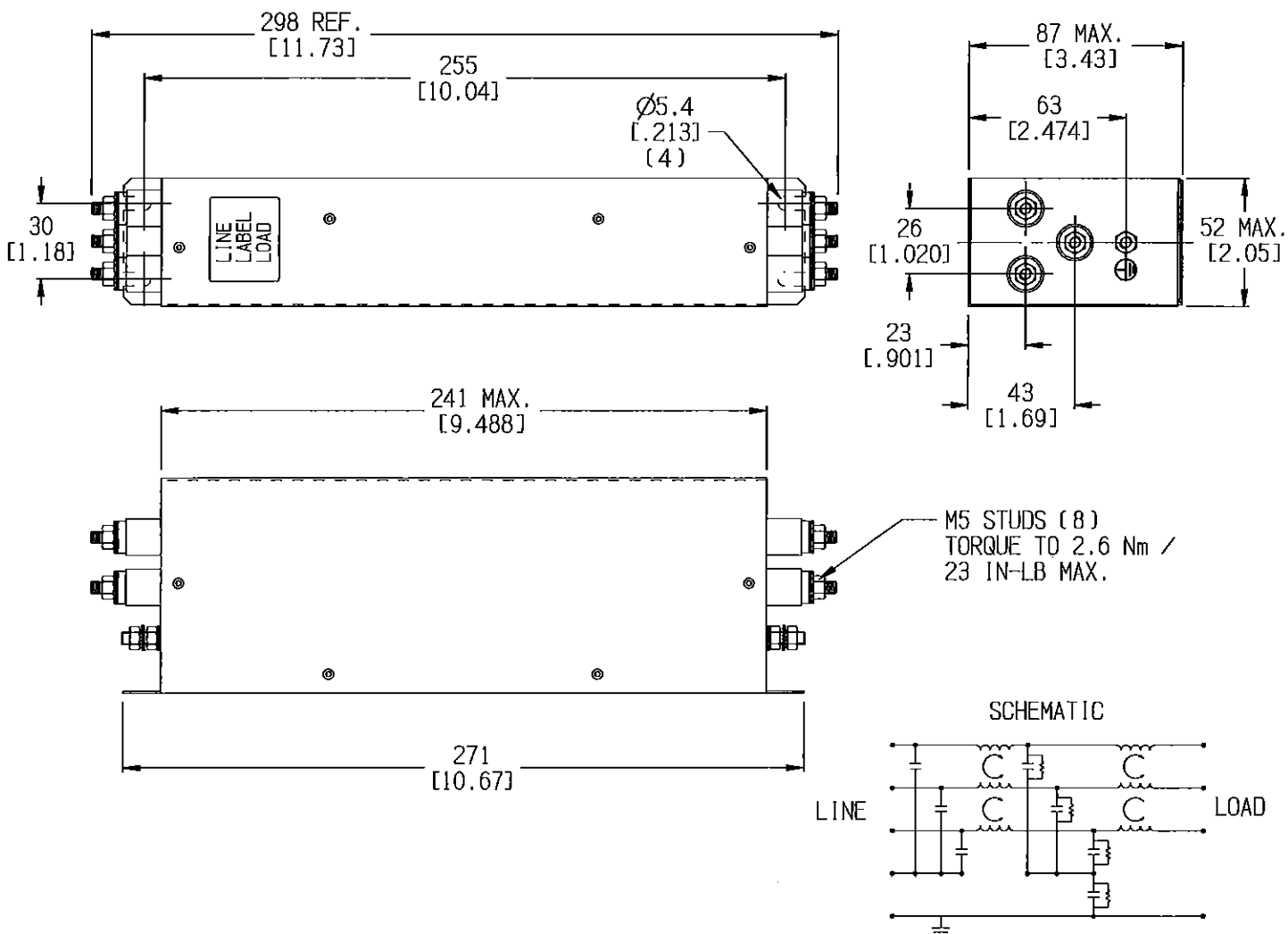
| ECN# | APPRVD | DATE |
|-----------|--------|---------|
| 15-011624 | TAM | 08DEC15 |

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1850 VDC FOR 1 MINUTE
LINE TO LINE: 1850 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 (TYPICAL) INSERTION LOSS

| FREQUENCY kHz | .01 | .03 | .05 | .10 | .15 | .30 | .50 | 1.0 | 3.0 | 5.0 | 10 | 30 |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| COMMON dB | 16 | 36 | 44 | 58 | 64 | 82 | 90 | 74 | 56 | 48 | 36 | 18 |
| DIFF. dB | 23 | 31 | 29 | 49 | 62 | 87 | 84 | 78 | 68 | 62 | 59 | 46 |

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 198-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED
TOLERANCE TO BE ±0.64 [±0.025]
MATERIAL & FINISH: AS SUPPLIED
DIMENSIONS IN MM [INCHES]

NOTES:



CUSTOMER DRAWING

| | | | |
|--------------------------|---------------|------------------------|--------|
| TE PART NO.: 2-1609091-7 | | | |
| SCALE: NTS | DATE: 30JUL15 | DRAWING NUMBER: 30BCF6 | REV. A |
| DRW. BY: HS | DRG: HS | | |



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