CUSTOMER DRAWING

CATALOG # 30BCF6

ECN#	APPRVD	DATE
15-011624	TAM	08DEC15

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:

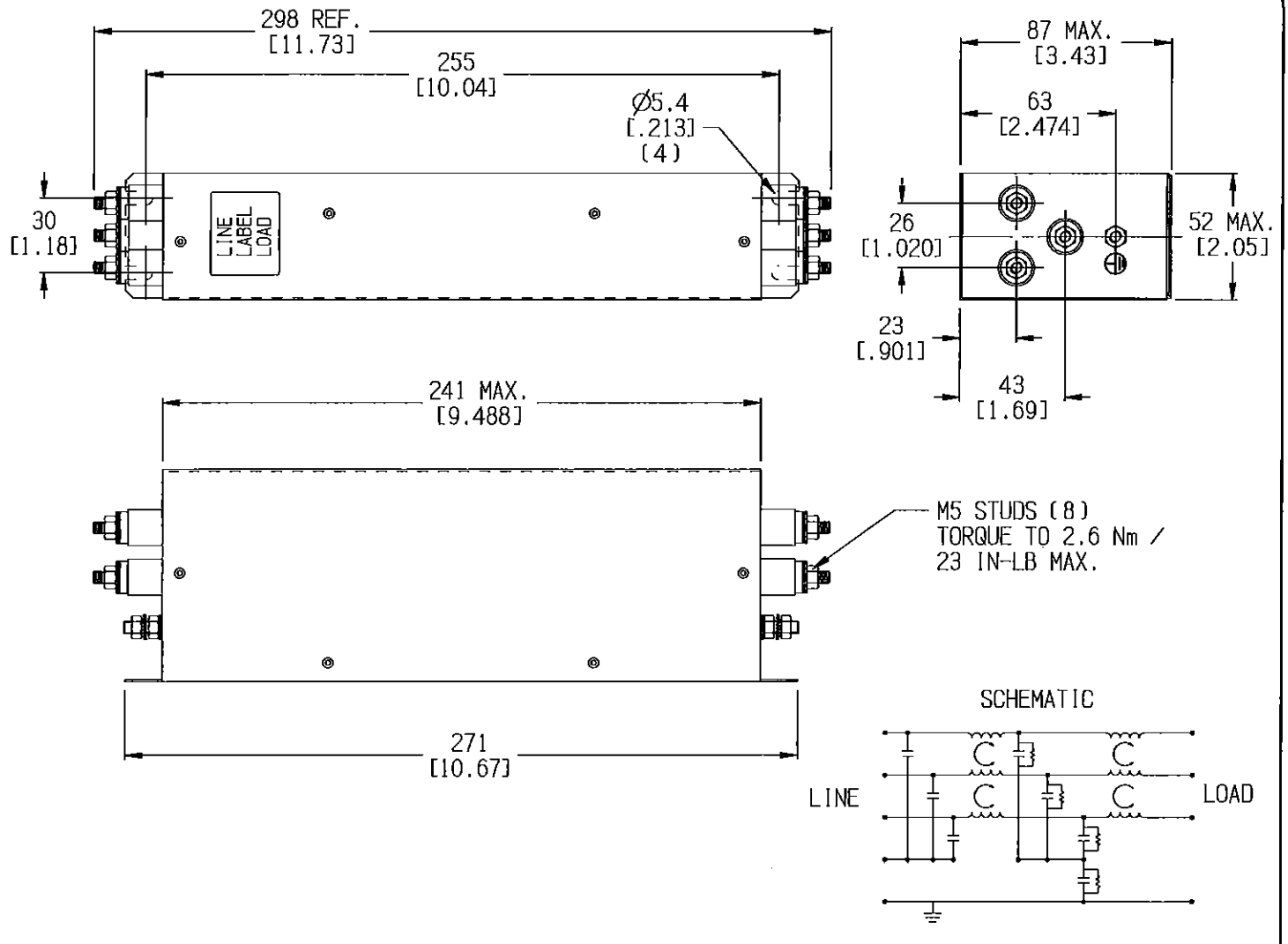
INDUCTANCE: 1.60 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 2.12 µF±20%
LINE TO LINE: 4.95 µF±20%
DISCHARGE RESISTOR: 660K Ω
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) 100VDC, 20°C AND 50% RH@

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 108-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

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

NOTES:

TE Connectivity

CUSTOMER DRAWING

TE PART NO.: 2-1609091-7

SCALE:	DATE:	DRAWING NUMBER:	REV.
NTS	30OCT15	30BCF6	A

DRN. BY: HS ORIG: HS

SHEET SIZE: A

THIRD ANGLE PROJECTION

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