CUSTOMER DRAWING		
CATALOG # 180BCF6		
ECN#	APPRVD	DATE
/	TAM	19FEB15

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 PENDING

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 180 AMP, 277 VAC PHASE TO GROUND
180 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 40°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS: $I_o = I_r \sqrt{\frac{85 - T_a}{35}}$

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:

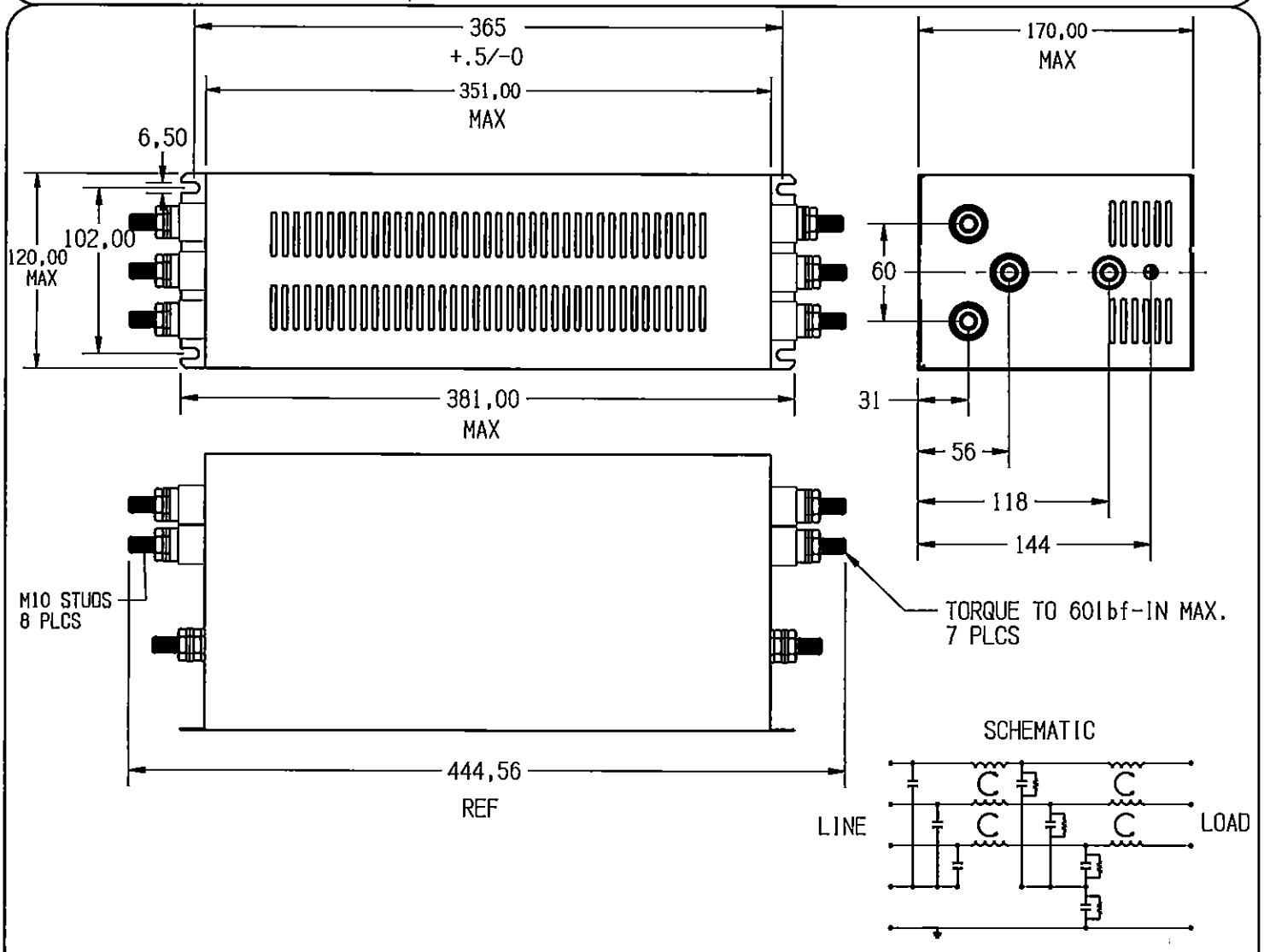
INDUCTANCE: .34 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 2.17 µF±20%
LINE TO LINE: 6.65 µF±20%
DISCHARGE RESISTOR: 660 KΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 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 MHz	.01	.03	.05	.10	.15	.30	.50	1.0	3.0	5.0	10	30
COMMON dB	11	27	36	49	57	72	77	61	47	40	29	15
DIFF. dB	27	37	40	42	50	73	73	60	50	47	42	30

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED
TOLERANCE TO BE ±0.64
MATERIAL & FINISH: AS SUPPLIED
DIMENSIONS IN MILLIMETERS

NOTES:

TE Connectivity

CUSTOMER DRAWING

TE PART NO.: 3-1609091-3

SHEET SIZE	THIRD ANGLE PROJECTION	SCALE	DATE	DRAWING NUMBER	REV.
A		NTS	30MAY12	180BCF6	2
		DRW. BY: TAM	ORIG: TAM		

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