CUSTOMER DRAWING

CATALOG # 5FBL3

ECN#	APPRVD	DATE

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
cUR PER CSA C22.2 No. 8

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 5 AMP/50°C, 300 VAC 50-60Hz (UR) PENDING
5 AMP/50°C, 250 VAC 50-60Hz (cUR) PENDING

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.12mA @ 120 VAC 60Hz
0.25mA @ 250 VAC 60Hz
0.30mA @ 300 VAC 60Hz

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 +100°C
HUMIDITY: 21 DAYS @ 40°C 95% RH.
CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

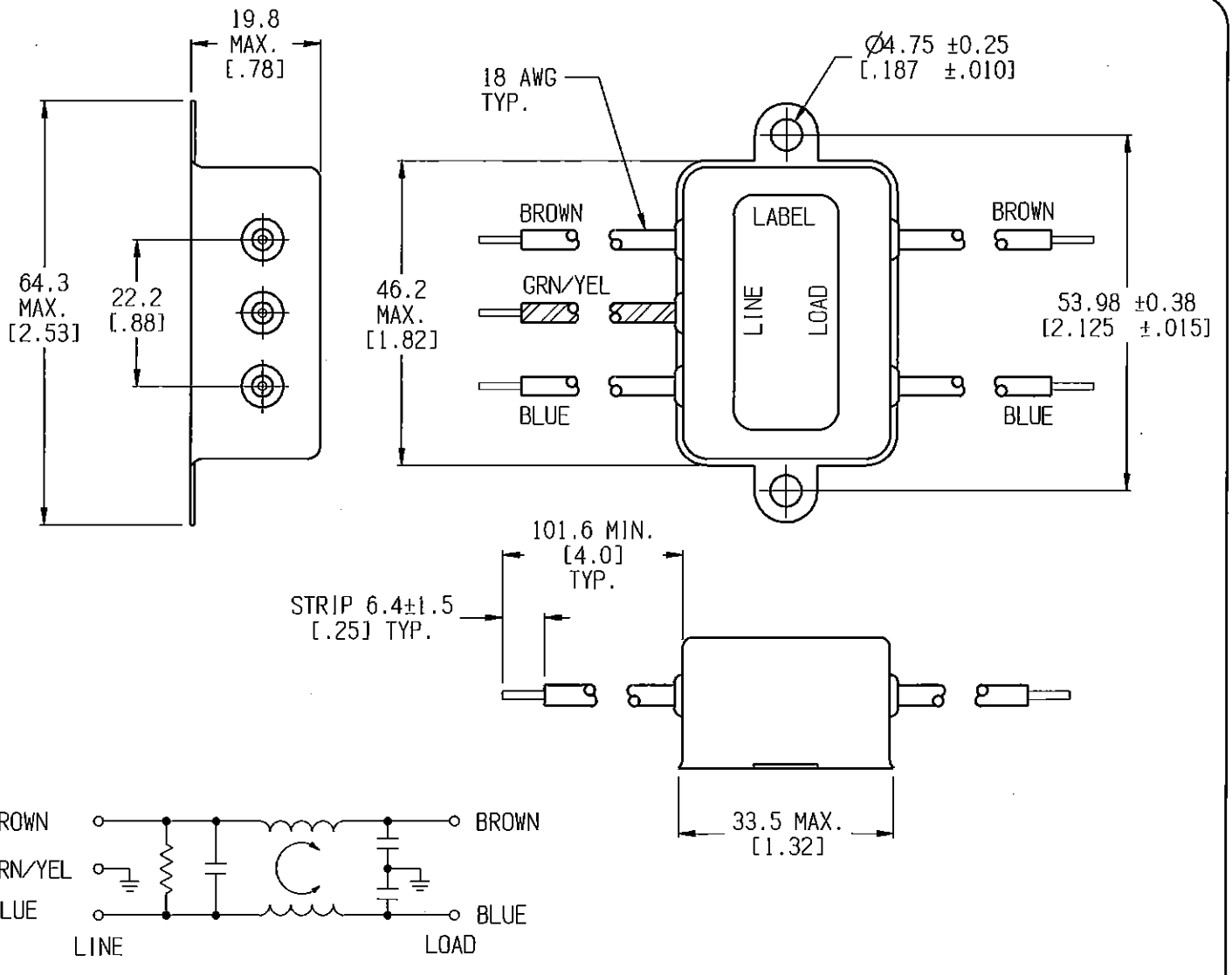
INDUCTANCE: 0.516 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0040 µF±20%
LINE TO LINE: 0.010 µF±20%
DISCHARGE RESISTOR: 1.5 MΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 2263 VDC FOR 1 MINUTE
LINE TO LINE: 2263 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												
FREQUENCY MHz	0.15	0.5	1.0	2.0	5.0	10	20	30	/	/	/	/
COMMON dB	10	21	26	31	37	42	44	47	/	/	/	/
DIFF. dB	/	/	/	/	/	/	/	/	/	/	/	/

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 130-702 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.: 6-1609091-6

SHEET SIZE	THIRD ANGLE PROJECTION	SCALE	DATE	DRAWING NUMBER	REV.
A		1:1	21MAY18	5FBL3	2
		DRV. BY: LJO	DRG: JB		

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(www.TE.com)

5FBL302.ckt

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1393431-1 TE50BR39J MPT100C18RF 141991-2 2310537-1 SBCHE154R7K 1-794222-0 2834055-1 3631B101LL SBCHE64R7K U5254-000005-030PA 1-962915-1 175977-2 1969656-1 2-292161-3 917696-1 936348-1 CRGCQ2010J3K3 ROX05SJ18R 1743455-2 1903112-2 3430B2F51RTDF CPF0402B37K4E1 SMW73R0JT 2005330-1 2377783-2 2380312-2 3-1393225-0 650075-000 RH73H2A40MKTN