

10/100/1000 BASE FILTER WITH DUAL USB 2.0 CONNECTOR FOR IEC COMPATIBILITY(EN61000-4) ESD APPLICATIONS

Model NO.: EJLUG-003TA1

Feature:

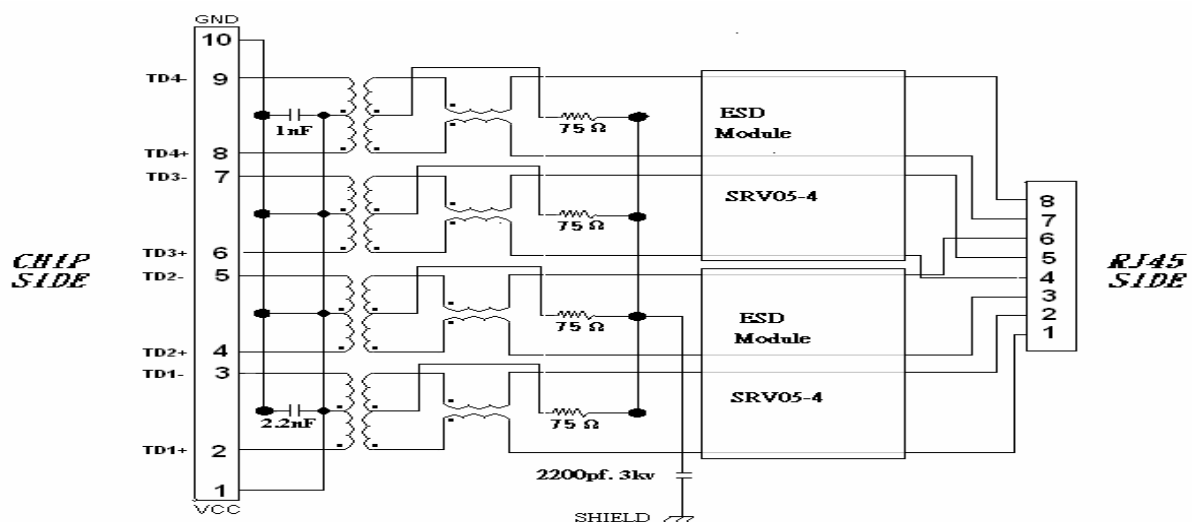
RoHS Compliant

- ⊙ Fully shielded magnetics protect data from internally generated digital noise
- ⊙ Reduces the overall length of the signal path for improved common mode performance
- ⊙ Implements full common mode termination scheme with used and unused twisted pairs
- ⊙ Meets IEEE802.3 Baseline Wander Compensation specification
- ⊙ Integrates high voltage capacitor to chassis ground
- ⊙ Supports all major transceivers with matched turns ration and complete integration of specified termination
- ⊙ Design for 1000BASE-TX Transmission over UTP-5 cable.
- ⊙ Operating temp range: -40°C to +85°C
- ⊙ Storage temp range: -55°C to + 125°C
- ⊙ Primary OCL inductance: 350uH MIN AT100KHz/0.1Vrms with 8mA DC bias.
- ⊙ With the LED lamp.

Typical Performance Characteristics @ 25C

Insertion Loss (dB MAX)	Return Loss (dB Min @100±15Ω)				Differential to Common Mode Rejection (dB MIN)	Cross talk (dB MIN)					CMRR (dB MIN)	Isolation Voltage (Vrms min)
MHz	MHz				MHz	MHz					MHz	1500
1~100	1~30	40	50	60~80	1~100	20	40	60	80	100	1~100	
-1.0	-16	-14	-12	-10	-33	-47	-40	-37	-35	-33	-30	

Schematic Design on MDI Interface Circuitry





NUMBER:RD-SDEJLUG-003TA1
DATE : 2005/08/31 -I (REV:A1)

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(3) Spacer : Thermoplastic, PBT, Black

UL FILE NO. : E107536

Manufacturer : SHIKONG SYNTHETIC FIBERS CORP.

Grade :E202G30BK

Flame Class : UL 94V-0

(4) USB Housing : Thermoplastic, PBT, Black

UL FILE NO. : E107536

Manufacturer : SHIKONG SYNTHETIC FIBERS CORP.

Grade : E202G30BK

Flame Class : UL 94V-0

C. Shield Material :

Cartridge $t=0.25\text{mm}$

10 μ "-20 μ " Thick Nickel over Brass

D. LED Lamp

(a) Lens Color : Transparent with color

(b) Emitted Color : Green & Yellow

(c) View Angle : 65°

(d) Wave Length : Green 565nm ; Yellow 585nm

(e)Recommended operation current (IF) : 20 mA

3. Ratings

(1) Voltage rating : 125 VAC

(2) Current rating : 1.5A

Durability :

(1) 1000 cycles with no function damage for RJ-45 and USB. Abnormalities shall be present after the test.

(2) Low Level Contact Resistance : $\Delta R=30\text{m}\Omega$ maximum (final).

(3) The sample should be mounted in the tester and fully mated and unmated 500 times per hour at the rate of 25mm/min. EIA-364-09C.



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1. Unit weight :20 grams
2. package : 50 pcs / tray / 1.04 kgms
3. Carton : 400 pcs / 8 layers of tray
4. Gross weight : 11.1 kgms

Package drawing:

