1. MECHANICAL DIMENSIONS:

RECOMMENDED PLUG DIMENSION:

5.89±0.127[0.232±0.005]

NOTES:
1. MATERIALS:
   HOUSING—POLYESTER UL94V-0
   MIXED GLASS FIBER.
   STANDARD COLOR—BLACK.
   CONTACTS—0.35mm THICK PHOS-BRONZE PLATED
   WITH 15u" GOLD AND TIN
   IN SOLDER AREA.
   SHIELD—0.20mm THICK COPPER ALLOY,
   PLATED WITH NICKEL.
2. CAVITY CONFIRMS TO FCC RULES AND REGULATIONS
   PART 68, SUBPART F.
3. OPERATING TEMPERATURE: 0°C~70°C
4. UNSPECIFIED TOLERANCE: XX ±0.250[0.010]
   .X ±0.300[0.012]

TOLERANCE UNSPECIFIED
.0 ±0.50
.00 ±0.38
.000 ±0.25
.0000 ±0.10
ANGLE ±3°
MANUFACTURING COPY

TITLE: RJ45 Connectors, W/LED, 8P, 8C,
Shielded/Thru Hole/10/100 Mbps FILTER

DRAWN BY: BOB
CHECKED BY: BOB
APPROVED BY: JPIS

SIZE: A4
UNIT: mm
PART NO: XMG-04A-1-D12-1E0

SCALE: 1:1
PROJECTION
REV: A

SHEET: 1OF3
2. PCB LAYOUT:

3. LED CONFIGURATION:

SUGGESTED PCB LAYOUT
TOP VIEW

DIMENSIONAL TOLERANCE: .XX ±0.08[0.003]
4. SCHEMATIC:

LAN CHIP SIDE

RJ CABLE SIDE

5. ELECTRICAL CHARACTERISTICS:

1. TR(100KHz, 0.1V):
   PINS: (P1-P3), (J1-J2) = 1:1 ± 3%
   PINS: (P4-P6), (J3-J6) = 1:1 ± 3%

2. LX(100KHz, 100mV, 8mA, DC Bias):
   PINS: (P1,P3), (P4,P6) = 350μH MINIMUM

3. DCR:
   PINS: (J1-J2), (J3-J6) = 1.2 OHMS MAXIMUM

4. HIPOT:
   (P1,P3) TO (J1,J2) = 1500VAC 60S OR 2250VDC 60S
   (P4,P6) TO (J3,J6) = 1500VAC 60S OR 2250VDC 60S

5. INSERTION LOSS:
   -1.0dB MAXIMUM AT 0.3MHz TO 100MHz

6. RETURN LOSS:
   -18dB MINIMUM AT 1MHz TO 30MHz
   -15dB MINIMUM AT 30MHz TO 60MHz
   -10dB MINIMUM AT 60MHz TO 80MHz

7. CROSS TALK:
   -30dB MINIMUM AT 1MHz TO 100MHz

8. COMMON TO COMMON MODE REJECTION:
   -30dB MINIMUM AT 1MHz TO 100MHz

PRODUCT SERIES: XMG-04A-1-D12-1E0

TOOLENT OF UNSPECIFIED
-0.05 ± 0.03
-0.01 ± 0.025
-0.005 ± 0.01
-0.003 ± 0.003

CUSTOMER COPY

MULTIPLE CONNECTING THE INFORMATION AGE

TITLE: RJ45, W/LED, with 10/100 Mbps Filter
8P,8C, Shielded, Thru Hole

DRAWING: Bob Zou
CHECKED: Bob Zou
APPROVED: Ips Aseng

SIZE: A4 UNIT: in PART NO.: XMG-04A-1-D12-1E0
SCALE: FREE PROJECTION REV.: A
DWG. PATH: XMG-04A-1-D12-1E0 SHEET: 3of3