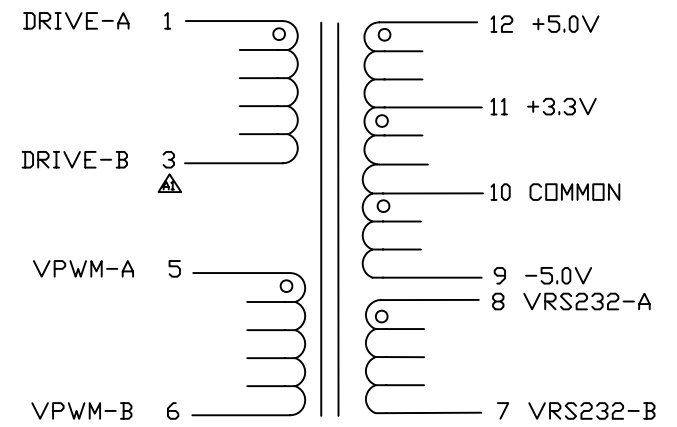


ELECTRICAL SPECIFICATIONS @ 20°C

Operating Temperature range: -40°C to +85°C

- L (1-3): 120.0uH±10% @400KHz, 100mVAC
- L (1-3): 85.0uH MIN @400KHz, 100mVAC, 200mA DC
- LL (1-3): 1.8uH MAX, TIE (5+6+7+8+9+10+11+12), @ 400KHz, 100mVAC
- DCR(1-3): 0.83Ω MAX
- DCR(5-6): 1.55Ω MAX
- DCR(12-10): 0.35Ω MAX
- DCR(11-10): 0.185Ω MAX
- DCR(10-9): 0.555Ω MAX
- DCR(8-7): 3.95Ω MAX
- URNS RATIO: (1-3):(5-6)=0.83:1.0 ±2% @10KHz,100mVAC
- URNS RATIO: (1-3):(2-10)=2.08:1.0 ±2% @10KHz,100mVAC
- URNS RATIO: (1-3):(11-10)=3.13:1.0 ±2% @10KHz,100mVAC
- URNS RATIO: (1-3):(10-9)=2.08:1.0 ±2% @10KHz,100mVAC
- URNS RATIO: (1-3):(8-7)=0.83:1.0 ±2% @10KHz,100mVAC
- DIELECTRIC(1-12): 100VAC,500uA @TIE(3+5,8+9)
- DIELECTRIC(1-5): 100VAC,500uA
- DIELECTRIC(8-9): 100VAC,500uA
- CWW: 20pF MAX, TIE(7+8,9+10+11+12) @ 400KHz, 100mVAC

Schematic:



NOTE:  
This Part is RoHS Compliant

|     |            |      |   |             |            |          |                          |    |       |      |
|-----|------------|------|---|-------------|------------|----------|--------------------------|----|-------|------|
|     |            |      | TITLE:<br>SMD XFMR, 18-56VIN, ±5V, +3.3, 12VOUT, 400KHz   |             |            |          | PART NO:<br>YER14.5120UH |    |       |      |
|     |            |      | TOL UNLESS NOTED  | APPROVED BY | CHECKED BY | DRAWN BY |                          |    |       |      |
| A1  | 10-15-2008 | ES   | LINE: ±0.25mm   | YCW         | DY         | FYP      | UNIT                     | MM | SCALE | NONE |
| A   | 08-20-2008 | FYP  | ANGLE: ±0.1°  |             |            |          | SHEET                    | 1  | OF    | 1    |
| REV | DATE       | SIGN | TRIGON COMPONENTS, INC.<br>939 MARINER ST., BREA, CA 92821, U.S.A. TEL: (714)-990-1367 www.trigoncomponents.com |             |            |          |                          |    |       |      |