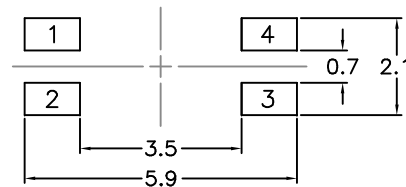
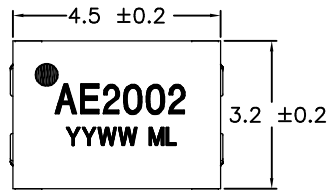
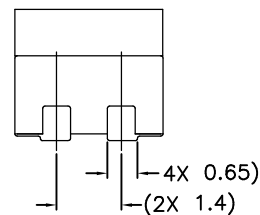
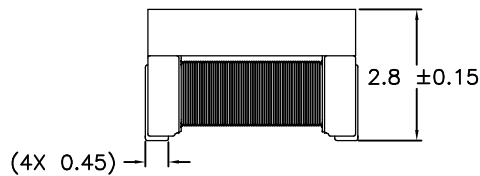


NOTES:

1. ROHS COMPLIANT
2. STORAGE TEMPERATURE: -50°C TO +150°C
3. COMPLIANCE TO J-STD:
  - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
  - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
4. QUALIFIED PER AEC-Q200
5. PPAP LEVEL 3
6. FACTORY TS-16949 CERTIFIED
7. PARTS ARE PACKAGED IN TAPE AND REEL



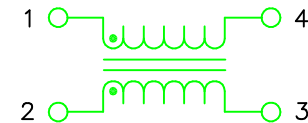
RECOMMENDED FOOTPRINT



FINAL OUTLINE

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

| PARAMETER  | SPECIFICATIONS                |              |            |
|--|-------------------------------|--------------|------------|
| OPERATING TEMP                                       | -40°C TO +125°C               |              |            |
| TURNS RATIO AND POLARITY<br>PINS (1-4) TO PINS (2-3) | 1.00 ± 2%, PER SCHEMATIC      |              |            |
| DC RESISTANCE<br>PINS 1-4; PINS 2-3                  | 5.0 OHMS MAX                  |              |            |
| INDUCTANCE (OCL)<br>PINS 1-4; PINS 2-3               | 160 uH TYP. @ 100 kHz, 100 mV |              |            |
| INSERTION LOSS (SDD21)<br>PINS (1-2) TO PINS (3-4)   | DC-100 KHz                    | 1-60 MHz     |            |
|  | -0.5 dB MAX                   | -1.0 dB MAX  |            |
| RETURN LOSS (SDD11)<br>(Z OUT = 100 OHM ± 1%)        | 1-10 MHz                      | 30 MHz       | 60 MHz     |
|  | -26 dB MIN                    | -21.1 dB MIN | -18 dB MIN |
|  |                               |              |            |
| COMMON- TO COMMON-<br>MODE REJECTION (SCC21)         | 1 MHz                         | 10-100 MHz   | 400 MHz    |
|  | 1000 MHz                      |              |            |
|  | -23 dB MIN                    | -42 dB MIN   | -25 dB MIN |
|  | -15 dB MIN                    |              |            |
| COMMON- TO DIFFERENTIAL-<br>MODE REJECTION (SDS21)   | 1-10 MHz                      | 100 MHz      | 1000 MHz   |
|  | -70 dB MIN                    | -50 dB MIN   | -24 dB MIN |
|  |                               |              |            |
| CURRENT RATING                                       | 100 mA MAX                    |              |            |
| VOLTAGE RATING                                       | 60 VDC MAX                    |              |            |



SCHEMATIC

ALL DIMENSION ARE SHOWN IN MILLIMETERS.  
UNLESS OTHERWISE SPECIFIED,  
THE FOLLOWING TOLERANCES APPLY:  
X.X = ±0.1

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| PRODUCT DESCRIPTION           | TLA DRAWING | PS DRAWING    | SHEET  | PART NO. | DATASHEET REV. |
|-------------------------------|-------------|---------------|--------|----------|----------------|
| CM CHOKE,100BASE-T1,1812 SIZE | AE2002-10   | PS-2808.002-C | 1 OF 1 | AE2002   | P              |