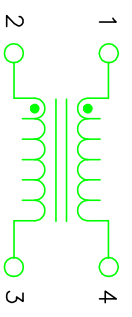
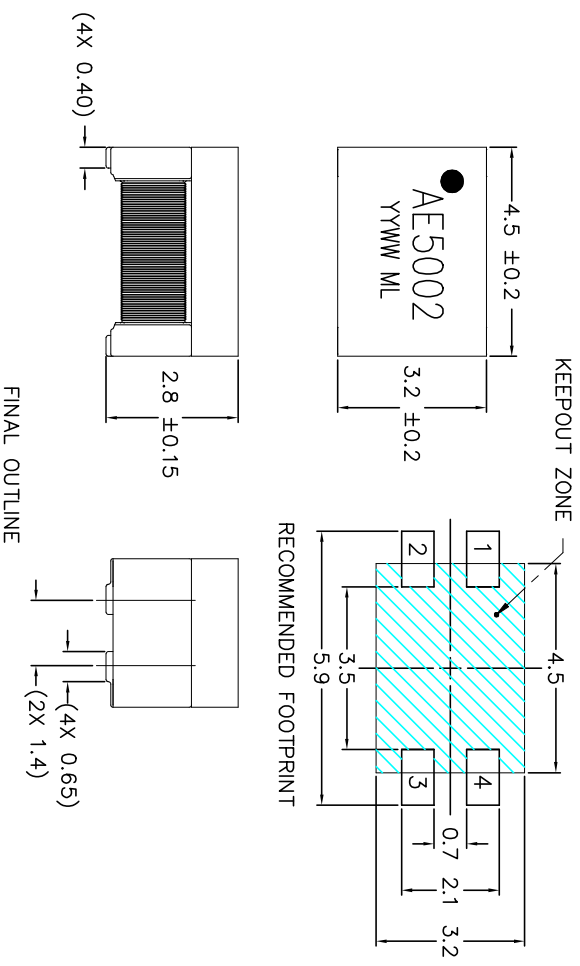


NOTES:

1. ROHS COMPLIANT
2. STORAGE TEMPERATURE: -50°C TO +150°C
3. COMPLIANCE TO J-STED:
  - A. J-STED-002: SOLDERABILITY AT 245°C REFLOW PROFILE
  - B. J-STED-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



SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

PARAMETER	SPECIFICATIONS			
OPERATING TEMP	-40°C TO +125°C			
TURNS RATIO AND POLARITY	1.00 ± 2% PER SCHEMATIC			
DC RESISTANCE, EACH LINE	4.2 OHMS MAX			
INDUCTANCE (OCL)	120 uH TYP. @ 100 kHz, 100 mV			
INSERTION LOSS (SDD21)	10-100MHz	100-400 MHz		
	-1.0 DB MAX	-1.7 DB MAX		
RETURN LOSS (SDD11) (Z OUT = 100 OHM ± 1%)	30-80 MHz	200 MHz	400 MHz	400 MHz
	-22 DB MIN	-17 DB MIN	-15 DB MIN	-15 DB MIN
COMMON- TO COMMON-MODE REJECTION (SCC21)	30-80 MHz	200 MHz	400 MHz	1000 MHz
	-45 DB MIN	-35 DB MIN	-32 DB MIN	-25 DB MIN
COMMON- TO DIFFERENTIAL-MODE REJECTION (SDS21)	10-30 MHz	100 MHz	200 MHz	1000 MHz
	-60 DB MIN	-47 DB MIN	-40 DB MIN	-38 DB MIN
CURRENT RATING	100 mA MAX			

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.	DATE SHEET REV.
COMMON-MODE CHOKE,1000BT1	AE5002-P8	PS-2808,002-D	1 OF 1	AE5002	L