



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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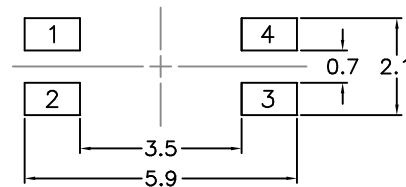
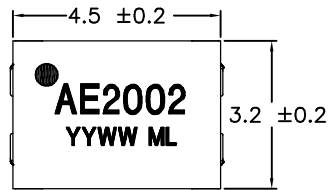
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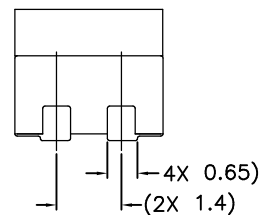
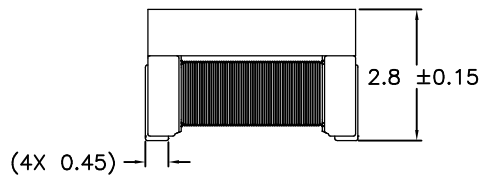


NOTES:

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



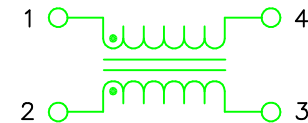
RECOMMENDED FOOTPRINT



FINAL OUTLINE

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	-40°C TO +125°C		
URNS RATIO AND POLARITY PINS (1-4) TO PINS (2-3)	1.00 ± 2%, PER SCHEMATIC		
DC RESISTANCE PINS 1-4; PINS 2-3	5.0 OHMS MAX		
INDUCTANCE (OCL) PINS 1-4; PINS 2-3	160 uH TYP. @ 100 kHz, 100 mV		
INSERTION LOSS (SDD21) PINS (1-2) TO PINS (3-4)	DC-100 KHz	1-60 MHz	
	-0.5 dB MAX	-1.0 dB MAX	
RETURN LOSS (SDD11) (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- 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- 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