

# Common Mode Filters(SMD) For General Signal Line

Conformity to RoHS Directive

## ZBYS Series

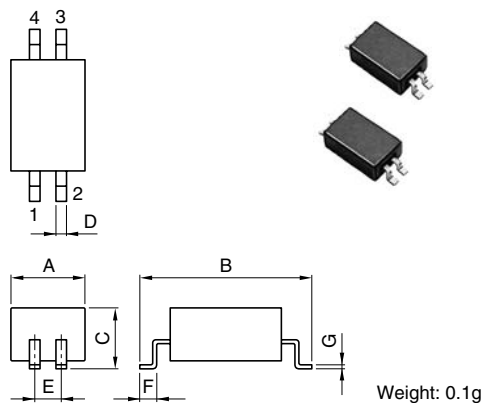
### FEATURES

- For distortion-free removal of noise from transmitted electrical signals. Best common mode filter for transmission of high quality signals.
- Best filter for countering the common mode noise resulting from data signal processing by PCs, phone equipment, etc.
- Highly appropriate for IC board mounting due to DIP-type structure.

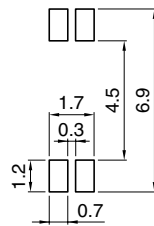
### APPLICATIONS

PCs, telephones, LANs, ISDN lines, digital PBX, game machines, cable TV equipment, CD-ROM players, 8mm video equipment, etc.

### SHAPES AND DIMENSIONS

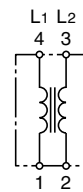


### RECOMMENDED PC BOARD PATTERN



250μm recommended solder thickness  
Dimensions in mm

### CIRCUIT DIAGRAM



Part No.	A	B	C	D	E	F	G
ZBYS5101-2PT-01*	2.8max.	6±0.3	2max.	0.4±0.1	1+0.1, -0.2	6±0.15	0.15+0.1, -0.05

\* The "-01" designation at the end of the product code indicates Lead-free compatible product.

### ELECTRICAL CHARACTERISTICS

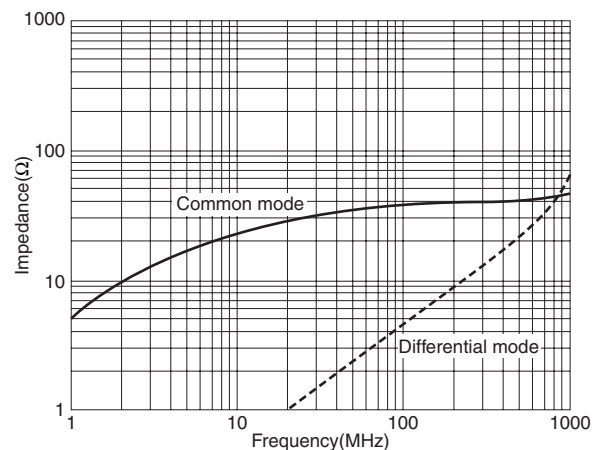
Part No.	ZBYS5101-2PT-01
Rated voltage $E_{dc}(V)$	50max.
Rated current (A)	2max.
DC resistance ( $\Omega$ )[each line]	0.5max.
Operating temperature range( $^{\circ}C$ )	-25 to +85
Impedance( $\Omega$ )[+5 to +35 $^{\circ}C$ ]	20min.[20 to 500MHz]

### PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	2000 pieces/reel

### TYPICAL ELECTRICAL CHARACTERISTICS

#### IMPEDANCE vs. FREQUENCY CHARACTERISTICS (per 1 element)



• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.