

Common Mode Filters(SMD) For CAN-BUS / General Signal Line

Conformity to RoHS Directive

ZJYS Series ZJYS81 Type

FEATURES

- Operating temperature range covers from -40 to $+125^{\circ}\text{C}$.
- Non-dissolution of the abutment amounts in circuit board mounting.
- The products contain no lead and also support lead-free soldering.
- This product conforms to the standards that are slated to be introduced under the RoHS Directive.

APPLICATIONS

CAN-BUS system, facsimiles, modems, ISDN

PACKAGING STYLE AND QUANTITIES

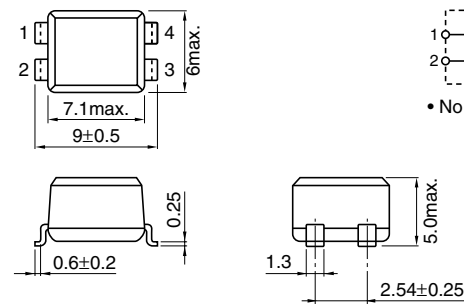
Packaging style	Quantity
Taping	1500 pieces/reel

PRODUCT IDENTIFICATION

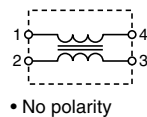
ZJYS81R5	-	2P	L	25	(T)	-	G01
(1)		(2)	(3)	(4)	(5)		(6)

- (1) Series name
 (2) Number of line
 2P: 2-line
 (3) Winding type
 L: Sector
 No mark: Bifilar
 (4) Product identification number
 (5) Packaging style
 T: $\phi 330\text{mm}$ reel taping
 (6) TDK internal code

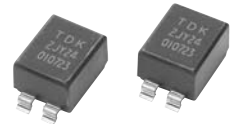
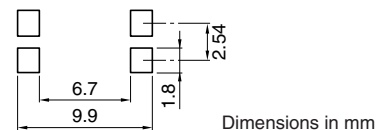
SHAPES AND DIMENSIONS



CIRCUIT DIAGRAM



RECOMMENDED PC BOARD PATTERN



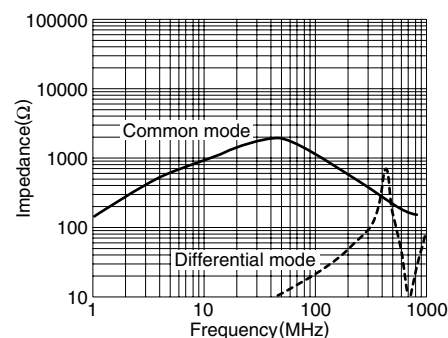
ELECTRICAL CHARACTERISTICS

Part No.	Common mode impedance (Ω)[10MHz]		DC resistance (Ω)max.	Rated current (A)max.	Insulation resistance (M Ω)min.	Rated voltage (V)max.
	min.	typ.				
ZJYS81R5-2P24-G01	500	1000	0.15	0.5	100	80
ZJYS81R5-2P50-G01	1000	2000	0.25	0.5	100	80
ZJYS81R5-2PL25-G01	600	1000	0.25	0.5	100	80
ZJYS81R5-2PL51-G01	1000	2000	0.3	0.5	100	80

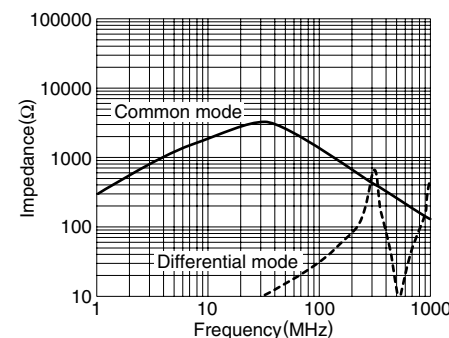
TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

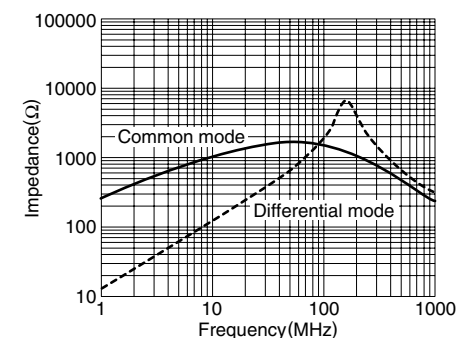
ZJYS81R5-2P24



ZJYS81R5-2P50



ZJYS81R5-2PL25

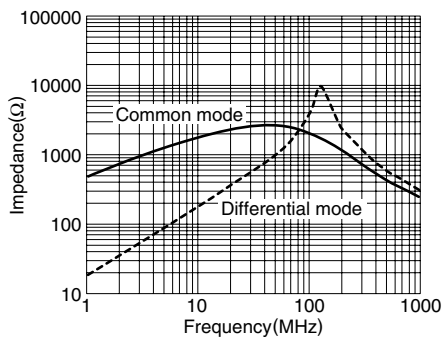


• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.

TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS



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