

# ACT45B Common Mode Filters

## Common Mode Filters for Automotive Signal Line



TDK's ACT45B series common mode filters are used as an EMC countermeasure in automotive signal lines, such as CAN –BUS of FAXs. The ACT45B series filters have an operating temperature range of  $-40^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$ , so they can be used in vehicle applications requiring high temperature compatibility.

### Features

- Wire wound
- AEC-Q200 certified
- Operating temperature range of  $-40^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$
- Storage temperature range of  $-40^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$  after the PC board is mounted
- When mounting, the terminal and winding tape splicing part do not fuse

Automotive

Common Mode Filter

Small Size



[Datasheet](#)

### Applications

- CAN-BUS
- Modems
- FAXs
- ISDNs

## ACT45B Series Information

**Case Size:** (EIA 1812) 4.5 x 3.2 x 2.8mm  
**Common Mode Impedance (10MHz):** 300-2200 $\Omega$   
**Common Mode Inductance (100KHz):** 11-100 $\mu\text{H}$   
**DC Resistance (max):** 0.6-2.0 $\Omega$   
**Current Rating (max):** 0.25-0.15A

2,500 pieces per reel