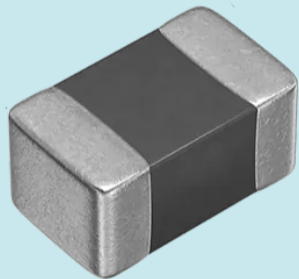


AUTO-CAN-KIT

Common Mode Choke + Chip Varistor

Combinations for Classic CAN & CAN FD Systems



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AEC-Q200

Features

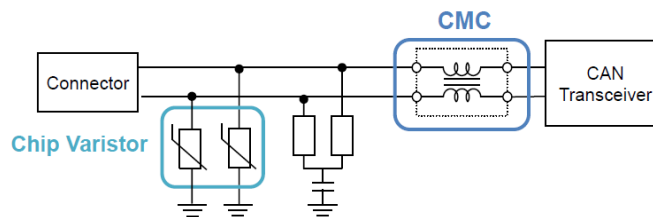
Common Mode Chokes

- Supports high temperatures up to 150°C
- Higher reliability of terminal connection by laser welding process

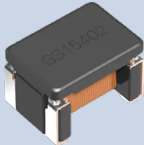
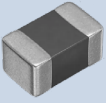
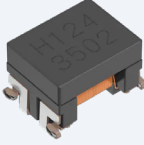
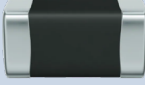
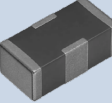

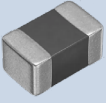

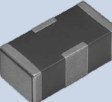
Chip Varistors

- Space savings of mounting area - Smallest size: 1005 mm (EIA 0402)
- High ESD Durability - $\pm 25\text{kV}$ (IEC61000-4-2/150pF, 330 Ω)
- Operation Temperature: -55°C to +150°C

Block Diagram



Product Combinations

Application	EMI Filtering CMC Part Number	ESD Protection Chip Varistor Part Number
Classic CAN	ACT45B Series 	<u>Single Type EIA 0402</u> B72590E0140L060 AVRH10C270KT150NA8 AVRH10C270KT350NA8 
	ACT1210 Series 	<u>Single Type EIA 0603</u> B72500E8250L060 B72500E8140S160  <u>Array Type</u> B72812Q1120S160 AVRH16A2C270KT200NA8 
CAN FD	ACT1210D Series 	<u>Single Type EIA 0402</u> B72590P8400S060 AVRH10C101KT4R7YA8  <u>Single Type EIA 0603</u> B72500P8400S060  <u>Array Type</u> AVRH16A2C270KT200NA8 

AUTO-CAN-KIT

AEC-Q200

Kit Contents

Common Mode Chokes					
Part Number	Application	Size [mm]	Common Mode Inductance @ 100kHz [μH] typ.	Quantity	
ACT45B-110-2P-TL003	Classic CAN	4.5 x 3.2	11	5	
ACT45B-220-2P-TL003	Classic CAN	4.5 x 3.2	22	5	
ACT45B-510-2P-TL003	Classic CAN	4.5 x 3.2	51	5	
ACT45B-101-2P-TL003	Classic CAN	4.5 x 3.2	100	5	
ACT1210-110-2P-TL00	Classic CAN	3.2 x 2.5	11	5	
ACT1210-220-2P-TL00	Classic CAN	3.2 x 2.5	22	5	
ACT1210-510-2P-TL00	Classic CAN	3.2 x 2.5	51	5	
ACT1210-101-2P-TL00	Classic CAN	3.2 x 2.5	100	5	
ACT1210D-510-2P-TL00	CAN FD	3.2 x 2.5	51	5	
ACT1210D-101-2P-TL00	CAN FD	3.2 x 2.5	100	5	
ACT1210D-131-2P-TL00	CAN FD	3.2 x 2.5	130	5	

Chip Varistors					
Part Number	Application	Size [mm]	Rated Voltage Max. [V]	Capacitance [pF]	Quantity
B72590E0140L060	Classic CAN	1.0 x 0.5	16	15	10
AVRH10C270KT350NA8	Classic CAN	1.0 x 0.5	19	35	10
B72500E8140S160	Classic CAN	1.6 x 0.8	16	15	10
AVRH10C270KT150NA8	Classic CAN / CAN FD	1.0 x 0.5	19	15	10
AVRH16A2C270KT200NA8	Classic CAN / CAN FD	1.6 x 0.8	19	20	10
B72500E8250L060	Classic CAN / CAN FD	1.6 x 0.8	32	10	10
B72812Q1120S160	Classic CAN / CAN FD	1.25 x 2.0	12	10	10
AVRH10C101KT4R7YA8	CAN FD	1.0 x 0.5	70	4.7	10
B72500P8400S060	CAN FD	1.6 x 0.8	48	4.7	10
B72590P8400S060	CAN FD	1.0 x 0.5	24	4.7	10

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