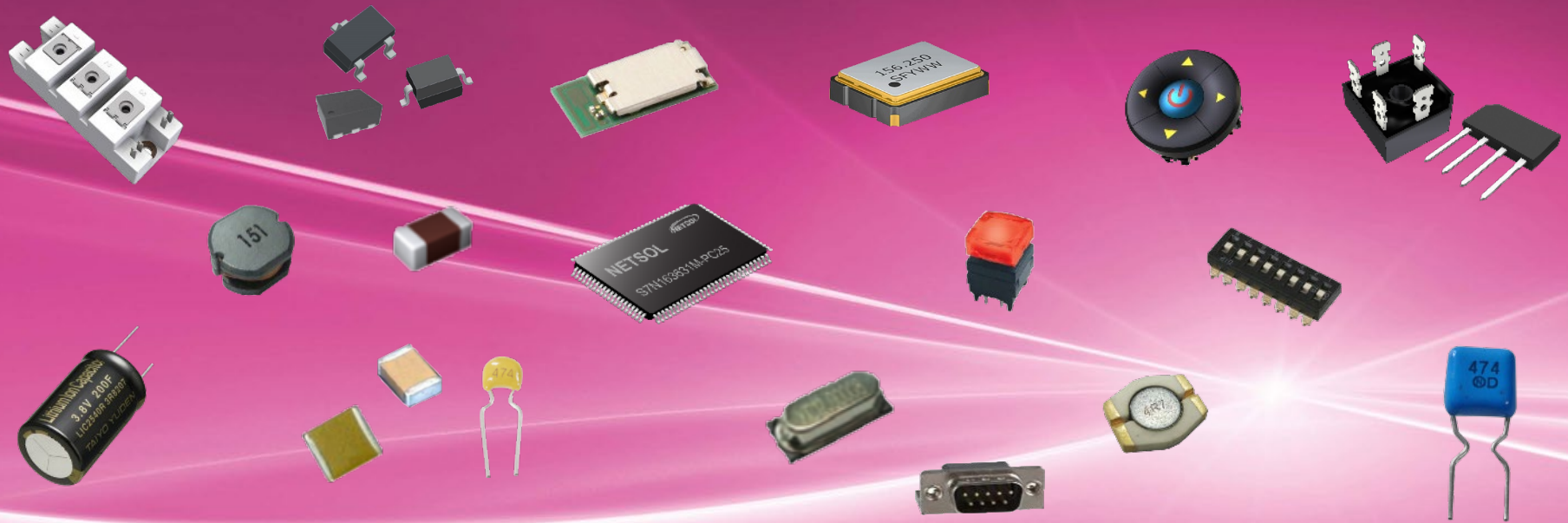


Automotive Common Mode Choke



Chilisin

15.10.2020

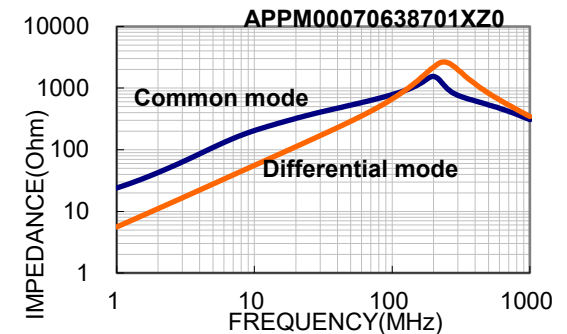
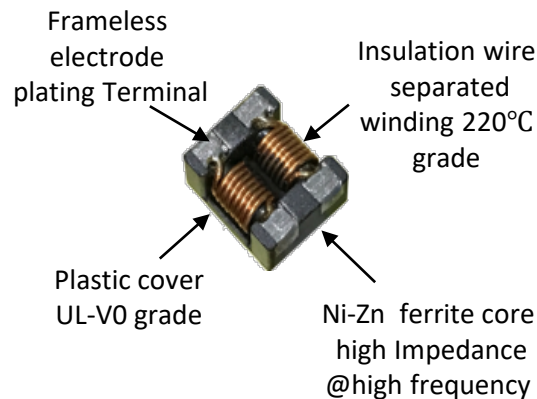
Automotive Common Mode Choke – Power Line

Features:

- 7060/9070/1211/1513 capable of handling the highest current (up to 10A) of high frequency range common mode filter
- Ni-Zn material design application to high impedance & wide frequency band

Applications:

- Charger
- Battery management
- Lamp and control unit
- Media comfort unit
- Dashboard
- Networking EMI solution



Electrical Characteristics (partial list)

TYPE	Dimensions(mm)	Impedance Range (Ω)	Frequency Range(Hz)	Rdc Range (Ω)	Rated Current(A)
APPM00-070638	7.0x6.0x3.8	100 ~ 2500	1M~1000M	10 m ~ 75 m	0.9 ~ 9.0
APPM00-090748	9.0x7.0x4.8	300 ~ 3000	1M~1000M	6 m ~ 86 m	2.0 ~ 6.0
APPM00-121165	12.0x10.8x6.5	80 ~ 2700	1M~1000M	2.0 m ~ 50 m	1.5 ~ 10.0
APPM00-151365	15.0x13.0x6.5	300 ~ 700	1M~1000M	4.7 m ~ 7.0 m	10.0 ~ 13.0

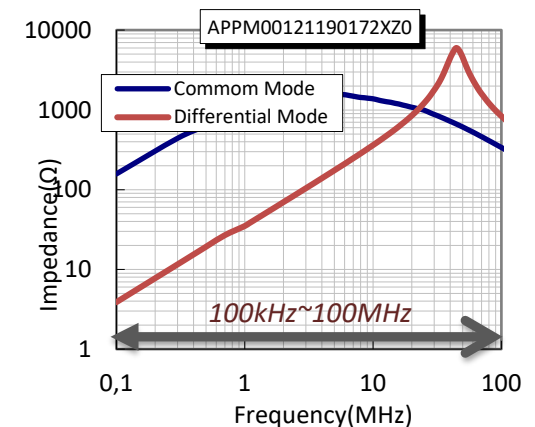
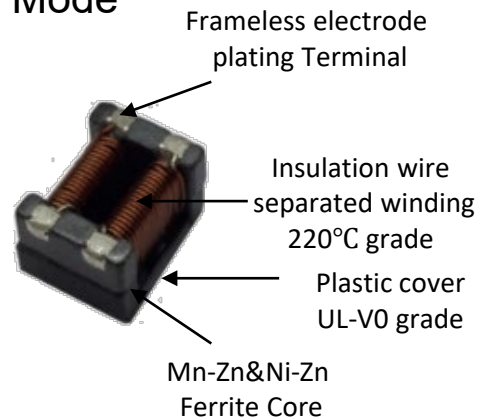
Automotive Common Mode Choke – Power Line

Features:

- 0706/9070/1211 capable of handling the highest current (up to 10A)
- MnZn & NiZn material design application to low frequency high impedance & wide band
- High Z at Low Freq Common Mode

Applications:

- Charger unit
- Battery management unit
- Lamp and control unit
- Media comfort unit
- Dashboard EMI solution
- Networking EMI solution



Electrical Characteristics (partial list)

TYPE	Dimensions (mm)	Impedance Range (Ω)	Frequency Range (Hz)	Rdc Range (Ω)	Rated Current(A)
APPM00070660_ZX	7.0x6.0x6.0	900~6500	100k~100M	0.075~0.685	0.8~2.5
APPM00090770_Z0	9.0x7.0x7.0	2200~3200	100k~100M	0.050~0.125	2.0~3.0
APPM00121190_Z0	12.0x10.8x9.0	1700~7800	100k~100M	0.026 ~ 0.182	2.0 ~ 5.5
APPM00151390_Z0	15.0x13.0x9.0	1000	100k~100M	14m	6.5

Common Mode Filter for Automotive Ethernet

AWCU00453228201XTE

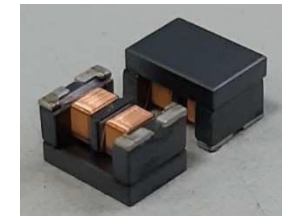


Features:

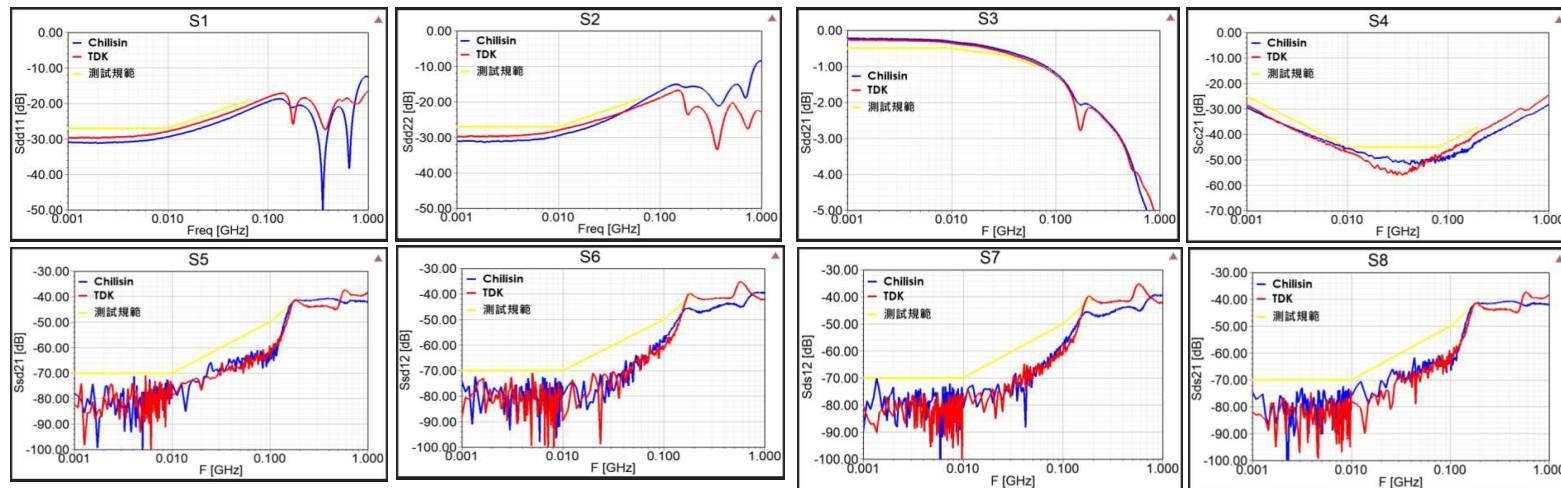
- Wire Wound structure
- Higher-level Scd21 mode conversion with a high L-value of 200uH
- Meets 100BASE-T1 specifications

Applications:











- Automotive Ethernet
- Home Security Sys
- Robotics



Common mode inductance (μH)typ. [100kHz]	DC resistance (Ω)max.	Rated current (mA)max.	Insulation resistance ($\text{M}\Omega$)min.	Rated voltage (V)max.
200	4.5	100	10	50



Overview of Common Mode Chokes

Size	Automotive Ethernet		Classical CAN CAN FD	USB2.0/ IEEE1394b	LVDS	USB3.0	HDMI2.0
	100BASE-T1	1000BASE-T1					
1.2*1.0mm (1210/0504)				BWCU_121008-02 		BWCU_121008-03 	
1.6*0.8mm (1608/0603)				BWCU_160811-02 			
2.0*1.2mm (2012/0805)				BWCU_201212-02 BWCU_231512-02 AWCU_201212-02 	BWCU_201212-02 BWCU_231512-02 	BWCU_201212-03 AWCU_201212-03 	
3.2*1.6mm (3216-3225 /1206)			Under Development	BWCU-321619-02 AWCU 321619-02 	BWCU_321619-02 		
4.5*3.2mm (4532/1812)	AWCU004532 28201XTE 	Under Development	AWCU_453226-T2 				

Your contact person for Automotive Common Mode Choke

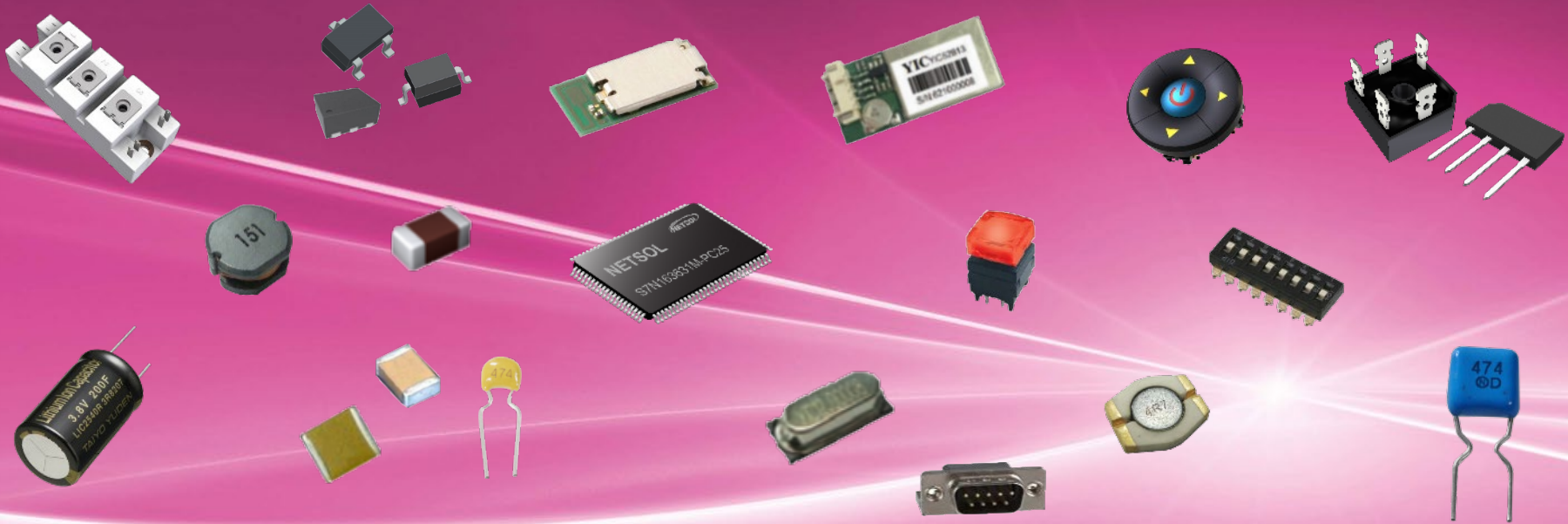


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Thank You !



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