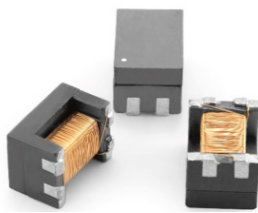


Automotive Communications

Pulse Electronics 100Base-T1 Automotive | Ethernet Common Mode Choke

Pulse releases the AE2002 100Base-T1 common mode choke for automotive Ethernet applications. In addition to the 100Base-T1 Pulse is in process of releasing the 1000Base-T1 AE5002 and the 100Base-T1 Power over Data Lines (PoDL) AE3003/AE3005/AE3006. Pulse's parts are designed to operate from -40C up to +125C, have high reliability, high volume manufacturing, long term manufacturing support, and meet AEC-Q200 requirements.



AE-Series CMC



HM-Series Ethernet Transformers

Features and Benefits:

- Designed to meet IEEE 802.3bw
- Qualified at Marvell, Broadcom, Intel
- Meets AEC-Q200 requirements
- IATF 16949:2016 certification for 100Base-T1, 1000Base-T1, and PoDL parts in-process
- Operating Temp. from -40C up to +125C
- PPAP Capable

Applications:

- Infotainment
- Advanced Driver Assist Systems (ADAS) Body Control
- Camera/Radar
- Gateways
- Backbone Diagnostics

AE Auto Chokes

MATERIAL	NUMBER OF PORTS	PACKAGE	PACKAGE HEIGHT (MM)	PACKAGE LENGTH (MM)	PACKAGE WIDTH (MM)	SPEED	TEMPERATURE	CHOKE OCL MH	PoDL RATING
AE2002	SINGLE	SMT	2.8	4.5	3.2	100BASE-T1	-40 TO +125	0.16	NON-PoDL
AE5002	SINGLE	SMT	2.8	4.5	3.2	1000BASE-T1	-40 TO +125	0.12	NON-PoDL

HM Series Auto

MATERIAL	NUMBER OF PORTS	PACKAGE	PACKAGE HEIGHT (MM)	PACKAGE LENGTH (MM)	PACKAGE WIDTH (MM)	SPEED	TEMPERATURE	PoE RATING
HM0068ANL	SINGLE	PCMCIA	2.083	12.7	9.652	100BASE-TX	-40 TO +105	NON-PoE
HM1188NL	SINGLE	SMT	5.969	12.7	7.11	100BASE-TX	-40 TO +105	NON-PoE
HM1190NL	SINGLE	SMT	5.99	12.7	9.09	100BASE-TX	-40 TO +125	NON-PoE
HM1225NL	SINGLE	SMT	5.969	12.7	9.398	100BASE-TX	-40 TO +85	NON-PoE
HM1331NL	SINGLE	SMT	7.62	15.24	12.7	100BASE-TX	-40 TO +85	NON-PoE
HM5149NL	SINGLE	PCMCIA	3.2	17.78	10.414	1000BASE-T	-40 TO +125	4PAIR PoE 30W