AACM0905 Series

Features

- Qualified to AEC-Q200.
- RoHS compliance & Halogen Free.
- Common Mode Choke，good temperature resistance.
- Ring core with the core materials of NiZn and MnZn.

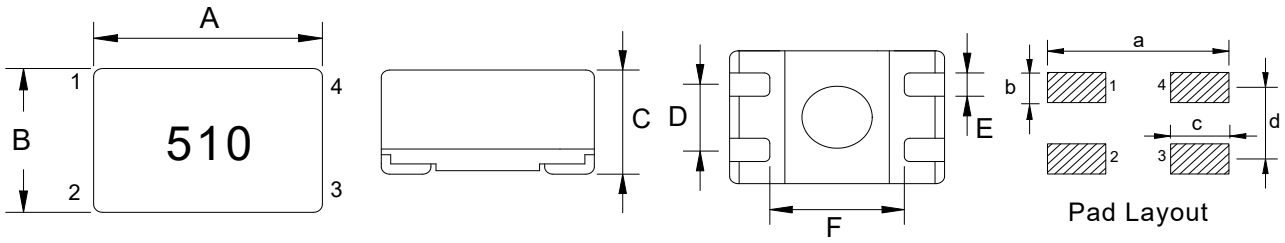
Applications

- Current compensated choke for data and signal lines
- Power supply systems
- Signal and sensor lines
- Suppression for common mode noise
- CAN

Test Conditions

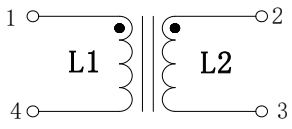
- All test data is referenced to 25℃ ambient.
- Operating temperature range -40℃ to +125℃.(Including self - temperature rise).
- The part temperature(ambient + temp rise)should not exceed 125℃ under worst case operating conditions. Circuit design,component placement, PCB trace size and thickness,airflow and other cooling provisions all affect the part temperature,part temperature should be verified in the end application.

External Dimensions (Unit:mm)



TYPE	A	B	C	D	E	F Typ	a Typ	b Typ	c Typ	d Typ	Q'TY/Reel
AACM0905	9.2±0.3	6.0±0.3	5.3Max	2.54±0.2	1.0±0.1	5.7	9.5	1.2	2.0	2.54	1000

Electrical Schematics



Part Number Code

AACM	0905	501	R/Y	P/N
Series Name	Dimensions	Inductance	Tolerance R:+50%/-30% Y:±50%	Internal control

AACM0905 Series

Part Number	Inductance L1-4=L2-3(μH)		Inductance Test Frequency (KHz)	DCR 1-4=2-3 (Ω)Max.	Rated Current (A) Max.	Impedance (Ω) Min	Hi-Pot 1,4-2,3 (Vdc) 3mA/3S
	L(uH)	Tolerance					
AACM0905-100RP	10	+50%/-30%	1KHz/0.1V	0.08	1.8	300	500
AACM0905-250RP	25	+50%/-30%	1KHz/0.1V	0.16	1.2	600	500
AACM0905-400RP	40	+50%/-30%	1KHz/0.1V	0.25	1	800	500
AACM0905-510RP	51	+50%/-30%	1KHz/0.1V	0.16	0.9	1000	500
AACM0905-251YP	250	±50%	100KHz/0.1V	0.13	1.3	600	500
AACM0905-471YP	470	±50%	100KHz/0.1V	0.14	1.2	800	500
AACM0905-501YP	500	±50%	100KHz/0.1V	0.15	1.2	900	500
AACM0905-102YP	1000	±50%	100KHz/0.1V	0.31	0.9	1000	500
AACM0905-202YP	2000	±50%	100KHz/0.1V	0.42	0.8	3000	500
AACM0905-472YP	4700	±50%	100KHz/0.1V	0.9	0.45	3000	500
AACM0905-652YP	6500	±50%	100KHz/0.1V	1.05	0.35	4000	500
AACM0905-103YP	10000	±50%	10KHz/0.1V	1.15	0.3	4000	500
AACM0905-100RN	10	+50%/-30%	1KHz/0.1V	0.08	1.8	300	500
AACM0905-250RN	25	+50%/-30%	1KHz/0.1V	0.16	1.2	600	500
AACM0905-400RN	40	+50%/-30%	1KHz/0.1V	0.25	1	800	500
AACM0905-510RN	51	+50%/-30%	1KHz/0.1V	0.16	0.9	1000	500
AACM0905-251YN	250	±50%	100KHz/0.1V	0.13	1.3	600	500
AACM0905-202YN	2000	±50%	10KHz/5mV	0.42	0.8	3000	500