

ACM0905-M Series

Features

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

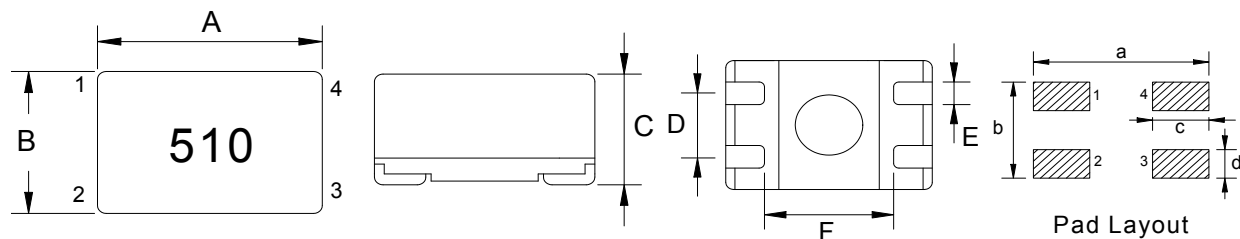
Applications

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

Test Conditions

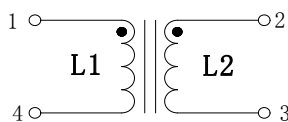
- All test data is referenced to 25°C ambient.
- Operating temperature range -40°C to +105°C.(Including self - temperature rise).
- The part temperature(ambient + temp rise)should not exceed 105°C under worst case operating conditions.
Circuit design,component placement, PCB trace size and thickness,airflow 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
ACM0905	9.2±0.2	6.0±0.5	5.3Max	2.54±0.2	1.0±0.1	5.7	9.5	3.74	2.0	1.2	1000

Electrical Schematics



Part Number Code

ACM	0905	510	N/Y	M
Series Name	Dimensions	Inductance	Tolerance N:±30% Y:±50%	Internal control

ACM0905-M Series

Part Number	Inductance (μ H) 100KHz/0.05V.		Z(Ω)		DCR (m Ω) Max.	Rated Current (A)Max.	Rated Voltage (V)Max.
	L(μ H)	Tol	Min	Typ			
ACM0905-100NM	10	$\pm 30\%$	200	400	70	1.6	125
ACM0905-250NM	25	$\pm 30\%$	600	800	110	1	125
ACM0905-400NM	40	$\pm 30\%$	800	1000	250	0.9	125
ACM0905-510NM	51	$\pm 30\%$	1000	1500	160	1	125
ACM0905-251YM	250	$\pm 50\%$	600	800	130	1.2	125
ACM0905-501YM	500	$\pm 50\%$	1000	1500	150	1	125
ACM0905-102YM	1000	$\pm 50\%$	1500	2000	310	0.8	125
ACM0905-202YM	2000	$\pm 50\%$	3000	4000	420	0.6	125
ACM0905-472YM	4700	$\pm 50\%$	4000	5500	750	0.5	125
ACM0905-652YM	6500	$\pm 50\%$	5000	7000	1100	0.4	125