

EMI SUPPRESSION FILTER / ARCM Series

● Features

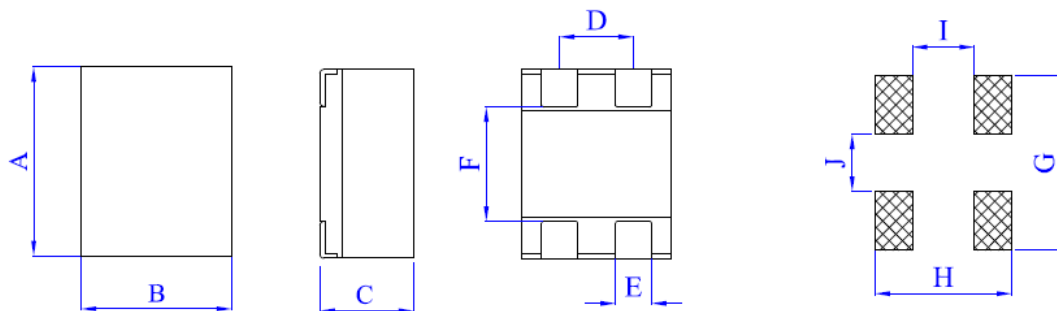
1. Low profile, only 1.65mm
2. High current up to 300mA
3. Rated voltage: 80 VDC (42 VAC)
3. Flammability corresponding to UL 94V-0
4. Climatic category 40/105/21

● Applications

1. USB
2. CAN
3. FireWire
4. Signal and sensor lines
5. Power supply system
6. Data lines
7. Suppression of common mode noise

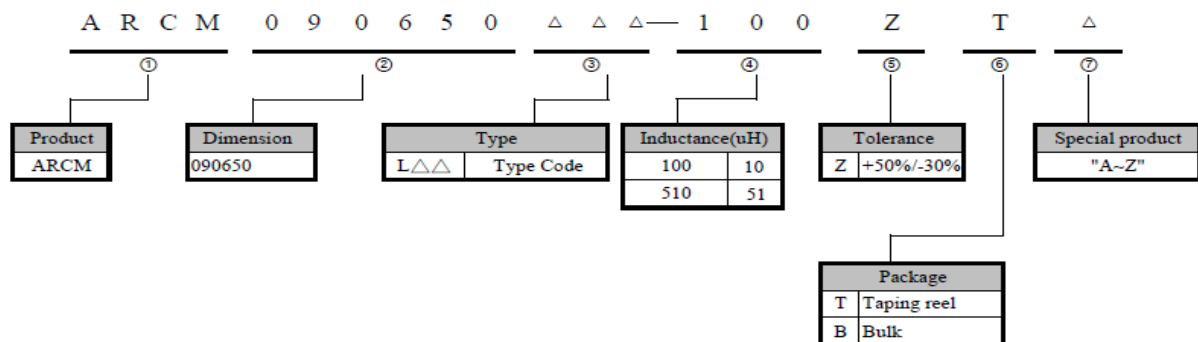


● Shape & Dimensions



TYPE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (Ref.)	H (Ref.)	I (Ref.)	J (Ref.)
ARCM090650L	9.2±0.3	6.0±0.3	5.0±0.3	2.54±0.2	1.0±0.1	5.7 Ref.	9.5	3.7	1.74	5.5

■ PRODUCT IDENTIFICATION



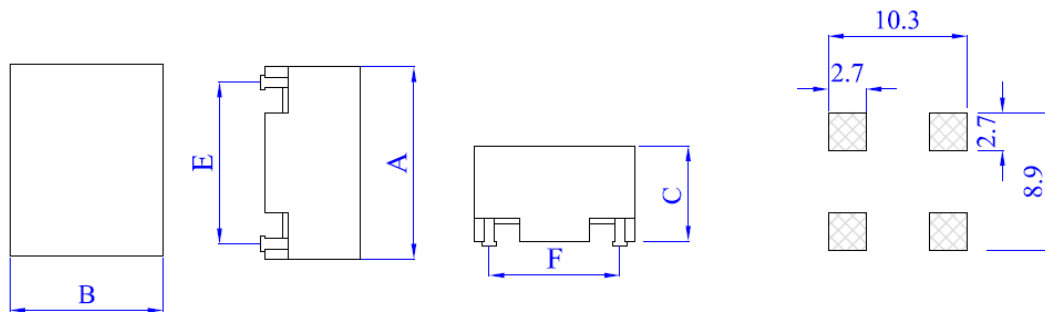
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TYPE	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)
ARCM100850HL	9.5 ± 0.3	8.3 ± 0.3	5.3 Max.	7.5 Typ.	6.3 Typ.

■ PRODUCT IDENTIFICATION

A R C M		1 0 0 8 5 0		△ △ △ —	5 0 1	T	△		
①		②		③		④		⑤	⑥
Product		Dimension		Type		Impedance(Ω)		Package	
ARCM		100850		HL△: Type Code		501 500 801 800		T Taping reel B Bulk	
								Special product	
								"A~"Z"	

◆ ARCM090650L Series Specification :

Part Number	Inductance (μ H)	Test Freq.	DCR Max. (Ω)	Rated Current (A) Max.	Impedance Min. (Ω)	Freq. Range (MHz)	Rated Voltage (V) Max.	Insulation Resistance (M Ω) Min.
ARCM090650L-100ZT	10 +50%-30%	1KHz/0.1V	0.08	1.6	300	20~200	50	10
ARCM090650L-250ZT	25 +50%-30%	1KHz/0.1V	0.16	1.0	600	5~100	50	10
ARCM090650L-400ZT	40 +50%-30%	1KHz/0.1V	0.25	0.9	800	5~100	50	10
ARCM090650L-510ZT	51 +50%-30%	1KHz/0.1V	0.32	0.8	1000	5~50	50	10
ARCM090650L-251ZT	250 $\pm$ 50%	100KHz/5mV	0.13	1.2	600	5~50	50	10
ARCM090650L-471ZT	470 $\pm$ 50%	100KHz/5mV	0.14	1.1	800	1~50	50	10
ARCM090650L-501ZT	500 $\pm$ 50%	100KHz/5mV	0.15	1.0	900	1~40	50	10
ARCM090650L-102ZT	1000 $\pm$ 50%	100KHz/5mV	0.31	0.8	1000	1~30	50	10
ARCM090650L-202ZT	2000 $\pm$ 50%	100KHz/5mV	0.42	0.6	3000	1~10	50	10
ARCM090650L-472ZT	4700 $\pm$ 50%	100KHz/5mV	0.90	0.4	3000	0.5~5	50	10
ARCM090650L-652ZT	6500 $\pm$ 50%	100KHz/5mV	1.05	0.3	4000	0.3~2	50	10

NOTE :

* The operating temperature range is -20°C to +80°C

◆ ARCM100850HL Series Specification :

Part Number	Common-Mode Impedance @100MHz (Ω)	Inductance (uH) @100KHz/0.1V	DCR Max. (mΩ)	Rated Current (A) Max.	Rated Voltage (AC) Max.	Insulation Resistance (MΩ) Min.
ARCM100850HL-501T	500 (Typ)	5 (Typ)	5.5	5.0	500V	10
ARCM100850HL-801T	800 (Typ)	9 (Typ)	11.0	3.5	500V	10
ARCM100850HL-102T	1000 (Typ)	11 (Typ)	30.0	2.5	500V	10
ARCM100850HL-222T	2200 (Typ)	30 (Typ)	60.0	1.4	500V	10

NOTE :

* The operating temperature range is -40°C to +125°C