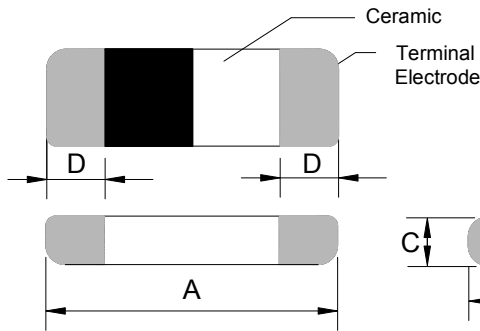


1. External Dimensions (Unit:m/m)



TYPE	METRIC	A	B	C	D	Q'Ty/Reel
AIC100505	0402	1.0±0.2	0.5±0.2	0.5±0.2	0.25±0.1	10000

2. Part Number Code

AIC 100505 J R18
A B C D

A: Series Name Multilayer Ceramic Chip Inductors
 B: Dimensions(mm) 100505: 0402
 C: Tolerance J: ±5%
 D: Inductance R18=180nH

3. Electrical Characteristics

Part Number	Inductance (nH)	L,Q Test Freq (Hz)	Q Min.	S R F (MHz)Min.	R D C (Ω)Max.	I D C (mA)Max.	Tolerance
AIC100505JR18	180.0	100MHz	8.0	500.0	3.7	100.0	±5%

Notes:

- 1) All test data is referenced to 25°C ambient.
- 2) Operating temperature range -40°C to +85°C,(Including self - temperature rise).
- 3) The part temperature(ambient + temp rise)should not exceed 85°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.