



Surface Mount RF/Microwave Capacitors

U Series Specifications

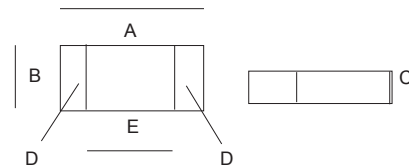


Part Number Determination

08051U100JAT2A								
0805	1	U	100	J	A	T	2	A
SIZE	VOLT	DIELECTRIC	CAPACITANCE	TOLERANCE	FAILURE RATE	TERMINATION	PKGING	SPECIAL CODE
0402 0603 0805 1210	3=25V 5=50V 1=100V 2=200V	U=Ultra Low ESR NPO	2 significant digits + # of zeros 100=10pF 102=1000pF 105=1uF	B=±0.1pF C=±0.25pF D=±0.5pF F=±1% G=±2% J=±5% K=±10% M=±20%	A=N/A	T=Plated Ni and Solder	2=7" Reel 4=13" Reel 9=Bulk	A=Std

Package Dimensions (in/mm)

Size	A	B	C	D	E
0402	0.039±0.004 (1.00±0.1)	0.020±0.004 (0.50±0.1)	0.024 max (0.6) max	N/A	N/A
0603	0.060±0.010 (1.52±0.25)	0.030±0.010 (0.76±0.25)	0.036 max (0.91) max	0.010±0.005 (0.25±0.13)	0.030 min (0.76) min
0805	0.079±0.008 (2.01±0.20)	0.049±0.008 (1.25±0.20)	0.040±0.005 (1.02±0.127)	0.020±0.010 (0.51±0.255)	0.020 min (0.51) min
1210	0.126±0.008 (3.2±0.20)	0.098±0.008 (2.49±0.20)	0.050±0.005 (1.27±0.127)	0.025±0.015 (0.635±0.381)	0.040 min (1.02) min



Land Pattern (mm/in)

Case Size	D1	D2	D3	D4	D5
0402 Reflow	1.70 (0.07)	0.60 (0.02)	0.50 (0.02)	0.60 (0.02)	0.50 (0.02)
0603 Reflow	2.30 (0.09)	0.80 (0.03)	0.70 (0.03)	0.80 (0.03)	0.75 (0.03)
0603 Wave	3.10 (0.12)	1.50 (0.06)	0.70 (0.03)	1.20 (0.05)	0.75 (0.03)
0805 Reflow	3.00 (0.12)	1.00 (0.04)	1.00 (0.04)	1.00 (0.04)	1.25 (0.05)
0805 Wave	4.00 (0.15)	1.50 (0.06)	1.00 (0.04)	1.50 (0.06)	1.25 (0.05)
1206 Reflow	4.00 (0.16)	1.00 (0.04)	2.00 (0.09)	1.00 (0.04)	1.60 (0.06)
1206 Wave	5.00 (0.19)	1.50 (0.06)	2.00 (0.09)	1.50 (0.06)	1.60 (0.06)

