

Part Numbering for Silicon capacitors

C2R1KBS-002C



935152 49 2 510 - T1 A

Digit 1-6
Type

Digit 7-8
BV

Digit 9
Size

Digit 10-12
Capacitance

Digit 13-14
Packing

Digit 15
Finishing

■ Dig1-6 : Type & Thickness

Digit 1-6	Type	Thick-ness	Digit 1-6	Type	Thick-ness
935 121	LPSC	100um	935 153	UWSC	250um
935 131	HSSC	400um	935 154		100um
935 132	HTSC	400um	935 142	WBSC	250um
935 133	XTSC	400um	935 144	WTSC	250um
935 155	ULSC	400um	935 145	WXSC	250um
935 156		100um	935 146	WLSC	100um
939 113	BBSC	400um	935 147	WASC	250um
939 114		100um	935 148		100um
935 151	UBSC	400um	935 141	WBDC	250um
935 152		100um	935 143	WLDC	100um
939 118	XBSC	100um	935 242	WBSC2	250um
939 301	UBDC	100um	935 246	WLSC2	100um
935 123	EMSC	100um	935 247	WASC2	250um
935 124	ETSC	250um	935 248		100um
935 125	EXSC	250um			
935 174	ATSC	250um			
935 158	ULEC	100um			
939 132	BBEC	100um			
935 157	UBEC	100um			
935 181	MGSC	100um			

■ Dig9 : Size

Type	Dig9	Size (inch)	Size (mm)	Type	Dig9	Size (inch)	Size (mm)
HSSC HTSC XTSC LPSC	0			ULSC BBSC UBSC XBSC UBDC	0	0301M	0.90mm x 0.30mm
	1				1	0402M	1.00mm x 0.50mm
	2	0201M	0.60mm x 0.30mm		2	0201M	0.60mm x 0.30mm
	3	0201	0.80mm x 0.60mm		3	0201	0.80mm x 0.60mm
	4	0402	1.20mm x 0.70mm		4	0402	1.20mm x 0.70mm
	5	0603	1.80mm x 1.10mm		5	0603	1.80mm x 1.10mm
	6	0805	2.20mm x 1.40mm		6	0302M	0.80mm x 0.50mm
	7	1206	3.40mm x 1.80mm		7	0404M	1.00mm x 1.00mm
	8				8		
	9	1812	4.70mm x 3.60mm		9		
EMSC ETSC EXSC ATSC	0	0202	0.63mm x 0.63mm	ULEC BBEC UBEC	0	0202	0.62mm x 0.62mm
	1	0404	1.07mm x 1.07mm		1	0404	1.06mm x 1.06mm
	2	0505	1.32mm x 1.32mm		2	01005M	0.40mm x 0.20mm
	3	0605	1.59mm x 1.32mm		3		
	4	1208	3.07mm x 2.07mm		4		
	5	1612	4.07mm x 3.07mm		5	0201M	0.60mm x 0.30mm
	6	1616	4.07mm x 4.07mm		6	0201	0.80mm x 0.60mm
	7	2016	5.07mm x 4.07mm		7	0402M	1.00mm x 0.50mm
	8				8	0402	1.20mm x 0.70mm
	9				9	0603	1.80mm x 1.10mm
WBSC WLSC WTSC WXSC UWSC WASC WBDC WLDC	0	0303	0.80mm x 0.80mm	WBSC2 WLSC2 WASC2	0	0205	0.50mm x 1.25mm
	1	0202	0.50mm x 0.50mm		1	02065	0.50mm x 1.624mm
	2	0101	0.25mm x 0.25mm		2	0208	0.50mm x 2.00mm
		0101+	0.294mm x 0.294mm		3		
	3	0404	1.00mm x 1.00mm		4		
	4	0504	1.25mm x 1.00mm		5		
	5	0302	0.80mm x 0.50mm		6		
	6				7		
	7	0402	1.00mm x 0.50mm		8		
	8	0201	0.50mm x 0.25mm		9		
9	015015	0.381mm x 0.381mm					

■ Dig7-8 : BV

Digit 7-8	BV
42, 49,92	11V
71, 72, 73,78,79 82,83,86	30V
62,63	50V
05	100V
52	150V

■ Dig10-12 : Cap

= (Digit10) × (Digit11-12)

Digit10	Unit	Digit11-12	Value
0	10f	10	×10
1	0.1p	15	×15
2	1p	22	×22
3	10p	33	×33
4	0.1n	47	×47
5	1n	56	×56
6	10n		
7	0.1μ		
8	1μ		
9	10μ		

■ Dig13-14 : Packing

Digit13	Packing with box	Digit14	Quantity
T	Tape & Reel	1	100
		3	1,000
		4	10,000
		5	5,000
F	Film Frame Carrier	1	Diced wafer on 6" FFC
		2	Diced wafer on 8" FFC
		3	Diced wafer on 12" FFC
W	Waffle Pack	0	5×5cm (full filled)
		9	5×5cm (with only 100 pieces)

■ Dig15 : Finishing

Digit15	Termination	Top side finishing	Bottom side finishing
A	Alu	3μm Al	TiNiAu (if applicable)
C	Cu	5um Cu	NA
N	NiAu (ENiG)	NiAu Electroless	NA
S	SAC	SAC 305 type6	NA
T	TiWAu	Tiw / Au	TiNiAu