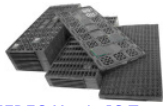




Size Selection Chart

Foot Print
Cross Reference



JEDEC Matrix IC Trays
136mm x 316mm

Components by Body Size
Size Chart - Footprint Selection chart
Component Cross Reference at a Glance.




Waffle Pack
IC Chip Tray
2" and 4" SQ



Select a Chip • [Code System](#)


Passive Components - Small Flat Chips - Size (Footprint)												
Metric Code L x W	0201MM 0.2 x 0.1mm	03015MM 0.3 x 0.15mm	0402MM 0.4 x 0.2mm	0603MM 0.6 x 0.3mm	1005 1.0 x 0.5mm	1608 1.6 x 0.8mm	2012 2.0 x 1.2mm	2520 2.5 x 2.0mm	3216 3.2 x 1.6mm	3225 3.2 x 2.5mm	3528 3.5 x 2.8mm	Image
Inch Code L x W	008004 0.008" x 0.005"	- 0.012" x 0.006"	01005 0.016" x 0.008"	0201 0.024" x 0.012"	0402 0.040" x 0.020"	0603 0.06" x 0.03"	0805 0.08" x 0.05"	1008 0.10" x 0.08"	1206 0.125" x 0.06"	1210 0.125" x 0.10"	1411 0.14" x 0.11"	Image
SC-Series Multilayer Ceramic Capacitor MLCC	•	•	•	•	•	•	•	-	•	•	-	
SD-Series Tantalum Capacitor	-	-	-	-	-	• J-Case	• P/R-Case	-	• A-Case	-	• B-Case	
SR-Series Resistor	•	•	•	•	•	•	•	-	•	•	-	
SR-ZERO Zero Ohm Jumper	•	•	•	•	•	•	•	-	•	•	-	
SI-Series Multilayer Inductor	-	-	-	•	•	•	•	-	•	•	-	
SI-Series Molded Inductor	-	-	-	-	-	-	-	• Molded Case	-	• Molded Case	-	
SIW-Series Wire-Wound Inductor	-	-	-	-	-	•	•	•	•	•	-	
SB-Series Multilayer Ferrite Bead	-	-	-	-	•	•	•	-	•	•	-	
SCC-Series White Chip	-	-	-	-	•	•	•	-	•	•	-	
SCC-Series Black Chip	-	-	-	•	•	•	•	-	•	•	-	


Passive Components - Large Flat Chips - Size (Footprint)												
Metric Code L x W	4512 4.5 x 1.27mm	4516 4.5 x 1.6mm	4520 4.5 x 2.0mm	4532 4.5 x 3.2mm	4564 4.5 x 6.4mm	5025 5.0 x 2.5mm	5650 5.6 x 5.0mm	5664 5.6 x 6.4mm	6332 6.3 x 3.2mm	6032 6.0 x 3.2mm	7343 7.3 x 4.3mm	Image
Inch Code L x W	1805 0.18" x 0.05"	1806 0.18" x 0.063"	1808 0.18" x 0.08"	1812 0.18" x 0.12"	1825 0.18" x 0.25"	2010 0.20" x 0.10"	2220 0.22" x 0.20"	2225 0.22" x 0.25"	2512 0.25" x 0.12"	C-Case	D-Case	Image
SC-Series Ceramic Capacitor	•	-	•	•	•	-	•	•	-	-	-	
SD-Series Tantalum Capacitor	-	-	-	-	-	-	-	-	-	• C-Case	• D-Case	
SR-Series Resistor	-	-	-	•	-	•	-	-	•	-	-	
SR-ZERO Zero Ohm Jumper	-	-	-	•	-	•	-	-	•	-	-	
SI-Series Inductor	-	-	-	• Molded Case	-	-	-	-	-	-	-	
SB-Series Ferrite Bead	-	•	-	•	-	-	-	-	-	-	-	



Molded Tantalum Capacitors (Body Size Excluding Terminals)													
Metric Code L x W	2512 2.54x 1.27mm	3216 3.81x 1.27mm	3812 3.81x 2.54mm	3528 3.5x 2.8mm	3825 3.81x 2.54mm	5012 5.08x 1.27mm	5025 5.08x 2.54mm	5634 5.59x 3.43mm	6032 6.0x 3.2mm	6728 6.73x 2.79mm	7338 7.24x 3.81mm	7343 7.3x 4.3mm	Image
Inch L x W	0.10"x 0.050"	0.150"x 0.050"	0.150" x 0.100"	0.138" x 0.110"	0.150" x 0.100"	0.200" x 0.050"	0.200" x 0.135"	0.220" x 0.100"	0.236" x 0.125"	0.265" x 0.110"	0.285" x 0.150"	0.287" x 0.169"	
Height Z	1.27mm 0.050"	1.6mm 0.062"	1.27mm 0.050"	1.9mm 0.075"	1.27mm 0.050"	1.27mm 0.050"	1.27mm 0.050"	1.8mm 0.070"	2.5mm 0.100"	2.8mm 0.110"	2.8mm 0.110"	2.8mm 0.110"	
SD-Series Standard Tantalum Capacitor	-	A-Case	-	B-Case	-	-	-	-	C-Case	-	-	D-Case	






SD-Series CWR09 Tantalum Capacitor	A-Case	-	B-Case	-	D-Case	C-Case	E-Case	F-Case	-	G-Case	H-Case	-	
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Passive Components - Wide Termination Chips - Size (Footprint)											
Metric Code L x W	0510 0.5 x 1.0mm	0816 0.8 x 1.6mm	1220 1.2 x 2.0mm	1632 1.6 x 3.2mm	2037 2.0 x 3.7mm	2075 2.0 x 7.5mm	2550 2.5 x 5.0mm	3245 3.2 x 4.5mm	3264 3.2 x 6.4mm	5176 5.1 x 7.6mm	Image
Inch Code L x W	0204 0.02" x 0.04"	0306 0.03" x 0.06"	0508 0.05" x 0.08"	0612 0.06" x 0.125"	0815 0.08" x 0.15"	0830 0.08" x 0.30"	1020 0.10" x 0.20"	1218 0.12" x 0.18"	1225 0.12" x 0.25"	2030 0.20" x 0.30"	Image
SC-Series Wide Terminal Capacitor	•	•	•	•	-	-	-	-	-	-	
SR-Series Wide Terminal Resistor	-	•	•	•	•	•	•	•	•	•	






Passive Components - Very Large Ceramic Chips - Size (Footprint)										
Metric Code L x W	7689 7.62 x 8.89mm	8484 8.38 x 8.38mm	8976 8.89 x 7.62mm	-	-	-	-	-	-	Image
Inch Code L x W	3035 0.30" x 0.35"	3333 0.33" x 0.33"	3530 0.35" x 0.30"	3640 0.36" x 0.40"	3940 0.39" x 0.40"	4045 0.40" x 0.45"	4252 0.42" x 0.52"	4540 0.45" x 0.40"	Image	
SC-Series Very Large Capacitor	•	•	•	•	•	•	•	•		







Passive Components - Super Large Ceramic Chips - Size (Footprint)										
Metric Code L x W	-	-	-	-	-	-	-	-	-	Image
Inch Code L x W	5550 0.55" x 0.50"	5780 0.57" x 0.80"	5868 0.58" x 0.68"	6560 0.65" x 0.60"	7680 0.76" x 0.80"	7875 0.78" x 0.75"	8840 0.88" x 0.40"	Image		
SC-Series Super Large Capacitor	•	•	•	•	•	•	•			






MELF Passive and Cylindrical Diodes - Size (Footprint)											
Metric Code L x W	1610 1.6 x 1.0mm	2012 2.0 x 1.2mm	3216 3.2 x 1.6mm	3514 3.5 x 1.4mm	3516 3.5 x 1.6mm	3520 3.5 x 2.0mm	5025 5.0 x 2.5mm	5922 5.9 x 2.2mm	8530 8.5 x 3.0mm	10540 10.5 x 4.0mm	Image
Inch Code L x W	0604 0.06" x 0.04"	0805 0.08" x 0.05"	1206 0.12" x 0.06"	1406 0.14" x 0.06"	1406 0.14" x 0.06"	1408 0.14" x 0.08"	2010 0.20" x 0.10"	2308 0.23" x 0.08"	3512 0.35" x 0.12"	4213 0.42" x 0.13"	Image
SRM-Series MELF Resistor	•	0102	0204	•	-	-	-	0207	•	•	
SOD-Series Cylindrical Diode	-	-	-	-	SOD80 LL34	SOD-87	DO213AB LL35 LL41 SM1	-	-	-	



Diodes & Transistors - Body Size (Excluding Terminals)												
Metric L x W	0.8 x 0.6mm	1.0 x 0.6mm	1.2 x 0.8mm	1.6 x 0.8mm	1.7 x 1.25mm	2.0 x 1.25mm	2.7 x 1.5mm	2.9 x 1.6mm	4.3 x 2.6mm	4.3 x 3.6mm	7.0 x 6.0mm	Image
Package Code	SOD923	SOD723	SOD523 SC79 SOT723	SOT523 SC79 SOT416 SC75A SC90	SOD323	SOT323 SC70 SOT343 SC70-4 SOT353 SC70-5 SOT363 SC70-6	SOD123	SOT23 SOT346 SC59 SOT143	SMA DO215AC DO214AC	SMB DO-215AA DO-214AA	SMC DO-215AB DO-214AB	Image
Diode Gull Wing	-	-	SOD523 SC79	-	SOD323	-	SOD123	-	SMA DO-215AC	SMB DO-215AA	SMC DO-215AB	
Diode J-Lead	-	-	-	-	-	-	-	-	SMAJ DO-214AC	SMBJ DO-214AA	SMCJ DO-214AB	
Diode Flat Lead	SOD923	SOD723	SOD523F SC79F	-	SOD323F	-	SOD123F	-	SMAF	SMBF	SMCF	
Transistor Gull Wing	-	-	-	SOT523 SC79 SOT416 SC75A SC90	-	SOT323 SC70 SOT343 SC70-4 SOT353 SC70-5 SOT363 SC70-6	-	SOT23 SOT143 SOT25 SOT23-5L SOT26 SOT23-6L SOT346 SC59 SOT457 SC74	-	-	-	
Transistor Flat Lead	-	-	SOT723F	SOT523F SOT553F SOT563F	-	-	-	SOT23F	-	-	-	




IC Active Package - 2~12mm Body Size											
Package Device	2x2mm	3x3mm	4x4mm	5x5mm	6x6mm	7x7mm	8x8mm	9x9mm	10x10	12x12	Image
DFN Dual Side	•	•	•	-	-	-	-	-	-	-	
QFN Quad Side	-	•	•	•	•	•	•	•	•	•	

BGA	-	-	-	•	•	•	•	•	•	•	
WL-CSP	•	•	•	•	•	•	•	•	•	•	
TQFP 1.0mm Thick	-	-	-	•	-	•	-	-	•	•	
LQFP 1.4mm Thick	-	-	-	-	-	•	-	-	•	•	
QFP MQFP PQFP 2.0mm Thick	-	-	-	-	-	-	-	-	•	-	




IC Active Package - 13~23mm Body Size											
Package Device	13x13mm	14x14mm	14x20mm	15x15mm	16x16mm	17x17mm	19x19mm	20x20mm	21x21mm	23x23mm	Image
BGA	•	•	-	•	•	•	•	-	•	•	
CBGA	-	-	-	•	-	-	•	-	•	-	
WL-CSP	•	•	-	•	•	•	•	•	•	•	
TQFP 1.0mm Thick	-	•	•	-	-	-	-	•	-	-	
LQFP 1.4mm Thick	-	•	•	-	-	-	-	•	-	-	
QFP MQFP PQFP 2.0~2.7mm Thick	-	•	•	-	-	-	-	-	-	-	



IC Active Package - 24~40mm Body Size											
Package Device	24x24mm	25x25mm	27x27mm	28x28mm	31x31mm	32x32mm	33x33mm	35x35mm	37.5 Sq	40x40mm	Image
BGA	-	•	•	-	•	•	•	•	•	•	
CBGA	-	•	•	-	•	•	•	•	•	•	
WL-CSP	•	•	•	•	•	-	•	•	-	•	
TQFP 1.0mm Thick	•	-	-	•	-	-	-	-	-	-	
LQFP 1.4mm Thick	•	-	-	•	-	-	-	-	-	-	
QFP MQFP PQFP 3.2mm Thick	-	-	-	•	-	•	-	-	-	•	



IC Active Package - 42.5~52.5mm Body Size						
Package Device	42.5x42.5mm	45x45mm	47.5x47.5mm	50x50mm	52.5x52.5mm	Image
BGA	•	•	•	•	•	
CBGA	•	•	•	•	•	

IC Active Package - Body Size (Inch System)										
Package Device	0.35" SQ	0.45" SQ	0.45" x.55"	0.48" SQ	0.56" SQ	0.65" SQ	0.75" SQ	0.95" SQ	1.15" SQ	Image
CLCC	20L P=50mil	28L P=50mil	32L P=50mil	-	48L P=40mil	44L P=50mil	52L P=50mil	68L P=50mil	84L P=50mil	
LCC	20L P=50mil	28L P=50mil	32L P=50mil	40L P=40mil	-	44L P=50mil	52L P=50mil	68L P=50mil	84L P=50mil	
PLCC	20L P=50mil	28L P=50mil	32L P=50mil	-	-	44L P=50mil	52L P=50mil	68L P=50mil	84L P=50mil	

IC Active Package - Dual Side SMT - Body Size											
Package Device	3.0mm 118mil	3.9mm 150mil	4.4mm 173mil	5.3mm 208mil	5.6mm 220mil	6.1mm 240mil	7.5mm 300mil	8.4mm 330mil	10.1mm 400mil	11.4mm 450mil	Image
MSOP	8~10L	-	-	-	-	-	-	-	-	-	
QSOP	-	16~28L	-	-	-	-	-	-	-	-	
QVSOP	-	40~80L	-	-	-	-	-	-	-	-	
SO, SOIC	-	8~16L	-	-	-	-	16~32L	-	-	-	
SOM, SOP	-	-	-	8~20L	8~20L	-	-	-	-	-	
SOW, SOY	-	-	-	-	-	-	-	28~32L	-	32~40L	

SOJ	-	-	-	-	-	-	20~32L	-	28~44L	-	
SSOP	-	-	-	8~28	-	-	34~56L	-	-	-	
TSSOP	-	-	8~56L	-	-	28~80L	-	-	-	-	

IC Active Package - TSOP - Body Size											
Package Device	8x13.4mm Type I	8x13.4mm Type I	8x20mm Type I	10x14mm Type I	10x20mm Type I	10x18.4mm Type II	10x21mm Type II	10x22.2mm Type II	12x20mm Type I	14x20mm Type I	Image
TSOP T1	28L P=0.55mm	32L P=0.5mm	32L P=0.5mm	40L P=0.5mm	40L P=0.5mm	-	-	-	48L P=0.5mm	56L P=0.5mm	
TSOP T2	-	-	-	-	-	44L P=0.8mm	32L P=1.27mm 50L P=0.8mm	54L P=0.8mm 66L P=0.65mm 86L P=0.5mm	-	-	

IC Active Package - DUAL In LINE DIP- Body Size						
Package Device	300mil	400mil	600mil	750mil	900mil	Image
DIP, DIL, PDIP	•	•	•	-	•	
SDIP	•	•	•	•	-	

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