

Sample 16587-1
Test Date 9/11/2025
LB SHS18-39

Open area | 43

Title Auto area measurement results data

Date saved 9/11/2025 9:44 AM

Comment

[Statistics]

	Area	Unit	Max diamet	Unit	Min diamet	Unit	Perimeter	Unit
Average	0.276	mm ²	0.702	mm	0.506	mm	2.158	mm
Standard D	0.059	mm ²	0.052	mm	0.1	mm	0.257	mm
Max	0.332	mm ²	0.833	mm	0.613	mm	3.336	mm
Min	0.029	mm ²	0.364	mm	0.066	mm	1.063	mm
Total	98.171	mm ²	249.827	mm	180.274	mm	768.109	mm

[Main]

No.	Area	Unit	Max diameter	Unit	Min diameter	Unit	Perimeter	Unit
1	0.053	mm ²	0.364	mm	0.164	mm	1.063	mm
2	0.082	mm ²	0.547	mm	0.153	mm	1.45	mm
3	0.082	mm ²	0.558	mm	0.153	mm	1.385	mm
4	0.079	mm ²	0.54	mm	0.153	mm	1.381	mm
5	0.08	mm ²	0.56	mm	0.153	mm	1.393	mm
6	0.08	mm ²	0.551	mm	0.164	mm	1.412	mm
7	0.083	mm ²	0.552	mm	0.153	mm	1.379	mm
8	0.079	mm ²	0.551	mm	0.153	mm	1.391	mm
9	0.074	mm ²	0.547	mm	0.142	mm	1.351	mm
10	0.069	mm ²	0.547	mm	0.142	mm	1.341	mm
11	0.066	mm ²	0.548	mm	0.131	mm	1.304	mm
12	0.06	mm ²	0.536	mm	0.12	mm	1.294	mm
13	0.063	mm ²	0.56	mm	0.12	mm	1.344	mm
14	0.056	mm ²	0.547	mm	0.109	mm	1.285	mm
15	0.052	mm ²	0.549	mm	0.098	mm	1.267	mm
16	0.046	mm ²	0.527	mm	0.088	mm	1.198	mm
17	0.044	mm ²	0.528	mm	0.088	mm	1.226	mm
18	0.037	mm ²	0.536	mm	0.077	mm	1.217	mm
19	0.036	mm ²	0.547	mm	0.066	mm	1.217	mm
20	0.029	mm ²	0.492	mm	0.066	mm	1.123	mm
21	0.286	mm ²	0.696	mm	0.536	mm	2.135	mm
22	0.295	mm ²	0.712	mm	0.545	mm	2.151	mm
23	0.297	mm ²	0.712	mm	0.546	mm	2.203	mm
24	0.287	mm ²	0.697	mm	0.536	mm	2.159	mm

25	0.284 mm ²	0.696 mm	0.525 mm	2.09 mm
26	0.274 mm ²	0.682 mm	0.514 mm	2.125 mm
27	0.263 mm ²	0.677 mm	0.503 mm	2.134 mm
28	0.303 mm ²	0.735 mm	0.558 mm	2.238 mm
29	0.298 mm ²	0.713 mm	0.547 mm	2.133 mm
30	0.296 mm ²	0.712 mm	0.547 mm	2.158 mm
31	0.243 mm ²	0.66 mm	0.481 mm	2.13 mm
32	0.206 mm ²	0.62 mm	0.481 mm	3.336 mm
33	0.291 mm ²	0.712 mm	0.547 mm	2.136 mm
34	0.302 mm ²	0.736 mm	0.547 mm	2.204 mm
35	0.295 mm ²	0.728 mm	0.547 mm	2.172 mm
36	0.297 mm ²	0.721 mm	0.536 mm	2.167 mm
37	0.294 mm ²	0.72 mm	0.547 mm	2.228 mm
38	0.283 mm ²	0.704 mm	0.525 mm	2.163 mm
39	0.28 mm ²	0.697 mm	0.525 mm	2.159 mm
40	0.268 mm ²	0.682 mm	0.503 mm	2.158 mm
41	0.173 mm ²	0.58 mm	0.35 mm	1.685 mm
42	0.294 mm ²	0.712 mm	0.536 mm	2.151 mm
43	0.287 mm ²	0.712 mm	0.534 mm	2.154 mm
44	0.303 mm ²	0.728 mm	0.558 mm	2.195 mm
45	0.301 mm ²	0.727 mm	0.547 mm	2.18 mm
46	0.301 mm ²	0.719 mm	0.536 mm	2.221 mm
47	0.292 mm ²	0.712 mm	0.536 mm	2.157 mm
48	0.273 mm ²	0.704 mm	0.514 mm	2.179 mm
49	0.261 mm ²	0.697 mm	0.503 mm	2.317 mm
50	0.234 mm ²	0.673 mm	0.492 mm	2.72 mm
51	0.303 mm ²	0.72 mm	0.558 mm	2.18 mm
52	0.3 mm ²	0.719 mm	0.547 mm	2.155 mm
53	0.302 mm ²	0.735 mm	0.565 mm	2.248 mm
54	0.305 mm ²	0.72 mm	0.547 mm	2.153 mm
55	0.309 mm ²	0.743 mm	0.558 mm	2.251 mm
56	0.302 mm ²	0.72 mm	0.558 mm	2.151 mm
57	0.301 mm ²	0.728 mm	0.547 mm	2.176 mm
58	0.296 mm ²	0.72 mm	0.547 mm	2.181 mm
59	0.289 mm ²	0.72 mm	0.536 mm	2.154 mm
60	0.286 mm ²	0.72 mm	0.525 mm	2.111 mm
61	0.28 mm ²	0.705 mm	0.514 mm	2.071 mm
62	0.183 mm ²	0.592 mm	0.361 mm	1.741 mm
63	0.244 mm ²	0.634 mm	0.492 mm	2.204 mm
64	0.3 mm ²	0.719 mm	0.547 mm	2.201 mm
65	0.294 mm ²	0.72 mm	0.536 mm	2.194 mm
66	0.287 mm ²	0.704 mm	0.525 mm	2.15 mm
67	0.29 mm ²	0.72 mm	0.525 mm	2.179 mm
68	0.285 mm ²	0.696 mm	0.514 mm	2.099 mm

69	0.277 mm ²	0.697 mm	0.503 mm	2.135 mm
70	0.261 mm ²	0.674 mm	0.492 mm	2.087 mm
71	0.296 mm ²	0.712 mm	0.558 mm	2.182 mm
72	0.299 mm ²	0.728 mm	0.536 mm	2.189 mm
73	0.305 mm ²	0.72 mm	0.554 mm	2.3 mm
74	0.3 mm ²	0.727 mm	0.547 mm	2.189 mm
75	0.313 mm ²	0.744 mm	0.547 mm	2.217 mm
76	0.299 mm ²	0.719 mm	0.558 mm	2.238 mm
77	0.299 mm ²	0.728 mm	0.547 mm	2.176 mm
78	0.3 mm ²	0.72 mm	0.536 mm	2.179 mm
79	0.289 mm ²	0.713 mm	0.525 mm	2.111 mm
80	0.289 mm ²	0.728 mm	0.535 mm	2.172 mm
81	0.295 mm ²	0.705 mm	0.536 mm	2.114 mm
82	0.285 mm ²	0.705 mm	0.514 mm	2.139 mm
83	0.193 mm ²	0.598 mm	0.383 mm	1.781 mm
84	0.295 mm ²	0.719 mm	0.547 mm	2.228 mm
85	0.291 mm ²	0.704 mm	0.525 mm	2.163 mm
86	0.287 mm ²	0.704 mm	0.525 mm	2.121 mm
87	0.273 mm ²	0.69 mm	0.514 mm	2.088 mm
88	0.26 mm ²	0.667 mm	0.503 mm	2.116 mm
89	0.306 mm ²	0.72 mm	0.547 mm	2.261 mm
90	0.302 mm ²	0.727 mm	0.536 mm	2.259 mm
91	0.296 mm ²	0.727 mm	0.525 mm	2.146 mm
92	0.305 mm ²	0.727 mm	0.558 mm	2.247 mm
93	0.306 mm ²	0.727 mm	0.547 mm	2.253 mm
94	0.315 mm ²	0.735 mm	0.558 mm	2.315 mm
95	0.299 mm ²	0.72 mm	0.557 mm	2.185 mm
96	0.309 mm ²	0.735 mm	0.558 mm	2.369 mm
97	0.31 mm ²	0.735 mm	0.558 mm	2.287 mm
98	0.317 mm ²	0.751 mm	0.569 mm	2.306 mm
99	0.308 mm ²	0.736 mm	0.547 mm	2.22 mm
100	0.292 mm ²	0.705 mm	0.546 mm	2.179 mm
101	0.3 mm ²	0.727 mm	0.536 mm	2.207 mm
102	0.292 mm ²	0.712 mm	0.536 mm	2.161 mm
103	0.291 mm ²	0.712 mm	0.514 mm	2.142 mm
104	0.204 mm ²	0.632 mm	0.405 mm	1.825 mm
105	0.259 mm ²	0.682 mm	0.503 mm	2.162 mm
106	0.29 mm ²	0.705 mm	0.525 mm	2.194 mm
107	0.281 mm ²	0.699 mm	0.514 mm	2.117 mm
108	0.273 mm ²	0.689 mm	0.503 mm	2.113 mm
109	0.299 mm ²	0.72 mm	0.536 mm	2.216 mm
110	0.289 mm ²	0.706 mm	0.525 mm	2.145 mm
111	0.287 mm ²	0.706 mm	0.514 mm	2.139 mm
112	0.316 mm ²	0.735 mm	0.579 mm	2.281 mm

113	0.309 mm ²	0.728 mm	0.556 mm	2.266 mm
114	0.305 mm ²	0.72 mm	0.536 mm	2.25 mm
115	0.302 mm ²	0.712 mm	0.547 mm	2.191 mm
116	0.301 mm ²	0.727 mm	0.565 mm	2.286 mm
117	0.315 mm ²	0.721 mm	0.558 mm	2.286 mm
118	0.314 mm ²	0.743 mm	0.558 mm	2.269 mm
119	0.305 mm ²	0.736 mm	0.554 mm	2.238 mm
120	0.308 mm ²	0.736 mm	0.547 mm	2.271 mm
121	0.3 mm ²	0.72 mm	0.536 mm	2.162 mm
122	0.298 mm ²	0.721 mm	0.536 mm	2.221 mm
123	0.297 mm ²	0.714 mm	0.525 mm	2.136 mm
124	0.286 mm ²	0.712 mm	0.503 mm	2.109 mm
125	0.209 mm ²	0.63 mm	0.416 mm	1.841 mm
126	0.252 mm ²	0.666 mm	0.492 mm	2.187 mm
127	0.281 mm ²	0.698 mm	0.521 mm	2.105 mm
128	0.283 mm ²	0.699 mm	0.503 mm	2.121 mm
129	0.278 mm ²	0.692 mm	0.492 mm	2.09 mm
130	0.263 mm ²	0.674 mm	0.492 mm	2.043 mm
131	0.291 mm ²	0.706 mm	0.521 mm	2.158 mm
132	0.283 mm ²	0.699 mm	0.503 mm	2.099 mm
133	0.307 mm ²	0.728 mm	0.558 mm	2.403 mm
134	0.301 mm ²	0.727 mm	0.536 mm	2.244 mm
135	0.295 mm ²	0.712 mm	0.525 mm	2.255 mm
136	0.304 mm ²	0.728 mm	0.558 mm	2.354 mm
137	0.314 mm ²	0.723 mm	0.558 mm	2.259 mm
138	0.295 mm ²	0.72 mm	0.545 mm	2.197 mm
139	0.297 mm ²	0.721 mm	0.541 mm	2.292 mm
140	0.305 mm ²	0.729 mm	0.547 mm	2.256 mm
141	0.297 mm ²	0.723 mm	0.535 mm	2.255 mm
142	0.294 mm ²	0.729 mm	0.525 mm	2.177 mm
143	0.287 mm ²	0.713 mm	0.525 mm	2.194 mm
144	0.29 mm ²	0.721 mm	0.514 mm	2.163 mm
145	0.281 mm ²	0.698 mm	0.503 mm	2.105 mm
146	0.212 mm ²	0.622 mm	0.427 mm	1.835 mm
147	0.262 mm ²	0.681 mm	0.503 mm	2.104 mm
148	0.289 mm ²	0.712 mm	0.518 mm	2.161 mm
149	0.292 mm ²	0.714 mm	0.514 mm	2.206 mm
150	0.285 mm ²	0.704 mm	0.503 mm	2.142 mm
151	0.274 mm ²	0.698 mm	0.492 mm	2.114 mm
152	0.315 mm ²	0.744 mm	0.576 mm	2.492 mm
153	0.313 mm ²	0.743 mm	0.558 mm	2.351 mm
154	0.309 mm ²	0.729 mm	0.544 mm	2.251 mm
155	0.301 mm ²	0.72 mm	0.536 mm	2.207 mm
156	0.289 mm ²	0.705 mm	0.514 mm	2.115 mm

157	0.321 mm ²	0.751 mm	0.59 mm	2.498 mm
158	0.322 mm ²	0.751 mm	0.58 mm	2.488 mm
159	0.304 mm ²	0.72 mm	0.563 mm	2.262 mm
160	0.306 mm ²	0.728 mm	0.554 mm	2.281 mm
161	0.315 mm ²	0.737 mm	0.558 mm	2.311 mm
162	0.298 mm ²	0.72 mm	0.536 mm	2.191 mm
163	0.3 mm ²	0.72 mm	0.536 mm	2.333 mm
164	0.295 mm ²	0.713 mm	0.525 mm	2.21 mm
165	0.292 mm ²	0.72 mm	0.525 mm	2.22 mm
166	0.287 mm ²	0.713 mm	0.514 mm	2.206 mm
167	0.226 mm ²	0.644 mm	0.449 mm	1.873 mm
168	0.276 mm ²	0.691 mm	0.514 mm	2.13 mm
169	0.253 mm ²	0.673 mm	0.503 mm	1.99 mm
170	0.332 mm ²	0.759 mm	0.613 mm	2.79 mm
171	0.294 mm ²	0.719 mm	0.536 mm	2.191 mm
172	0.297 mm ²	0.713 mm	0.525 mm	2.167 mm
173	0.294 mm ²	0.713 mm	0.514 mm	2.124 mm
174	0.287 mm ²	0.698 mm	0.503 mm	2.126 mm
175	0.315 mm ²	0.727 mm	0.6 mm	2.677 mm
176	0.313 mm ²	0.73 mm	0.562 mm	2.293 mm
177	0.306 mm ²	0.735 mm	0.549 mm	2.333 mm
178	0.301 mm ²	0.729 mm	0.536 mm	2.269 mm
179	0.321 mm ²	0.751 mm	0.591 mm	2.77 mm
180	0.321 mm ²	0.743 mm	0.585 mm	2.538 mm
181	0.317 mm ²	0.743 mm	0.563 mm	2.345 mm
182	0.306 mm ²	0.736 mm	0.547 mm	2.262 mm
183	0.303 mm ²	0.727 mm	0.536 mm	2.373 mm
184	0.303 mm ²	0.833 mm	0.534 mm	2.699 mm
185	0.298 mm ²	0.728 mm	0.525 mm	2.229 mm
186	0.295 mm ²	0.728 mm	0.525 mm	2.315 mm
187	0.235 mm ²	0.665 mm	0.47 mm	1.971 mm
188	0.286 mm ²	0.706 mm	0.503 mm	2.111 mm
189	0.284 mm ²	0.706 mm	0.514 mm	2.132 mm
190	0.279 mm ²	0.706 mm	0.503 mm	2.056 mm
191	0.243 mm ²	0.665 mm	0.492 mm	1.957 mm
192	0.307 mm ²	0.736 mm	0.547 mm	2.323 mm
193	0.301 mm ²	0.72 mm	0.536 mm	2.25 mm
194	0.296 mm ²	0.72 mm	0.535 mm	2.203 mm
195	0.291 mm ²	0.713 mm	0.514 mm	2.158 mm
196	0.293 mm ²	0.72 mm	0.514 mm	2.161 mm
197	0.325 mm ²	0.751 mm	0.581 mm	2.56 mm
198	0.317 mm ²	0.736 mm	0.569 mm	2.288 mm
199	0.314 mm ²	0.73 mm	0.558 mm	2.287 mm
200	0.325 mm ²	0.751 mm	0.578 mm	2.346 mm

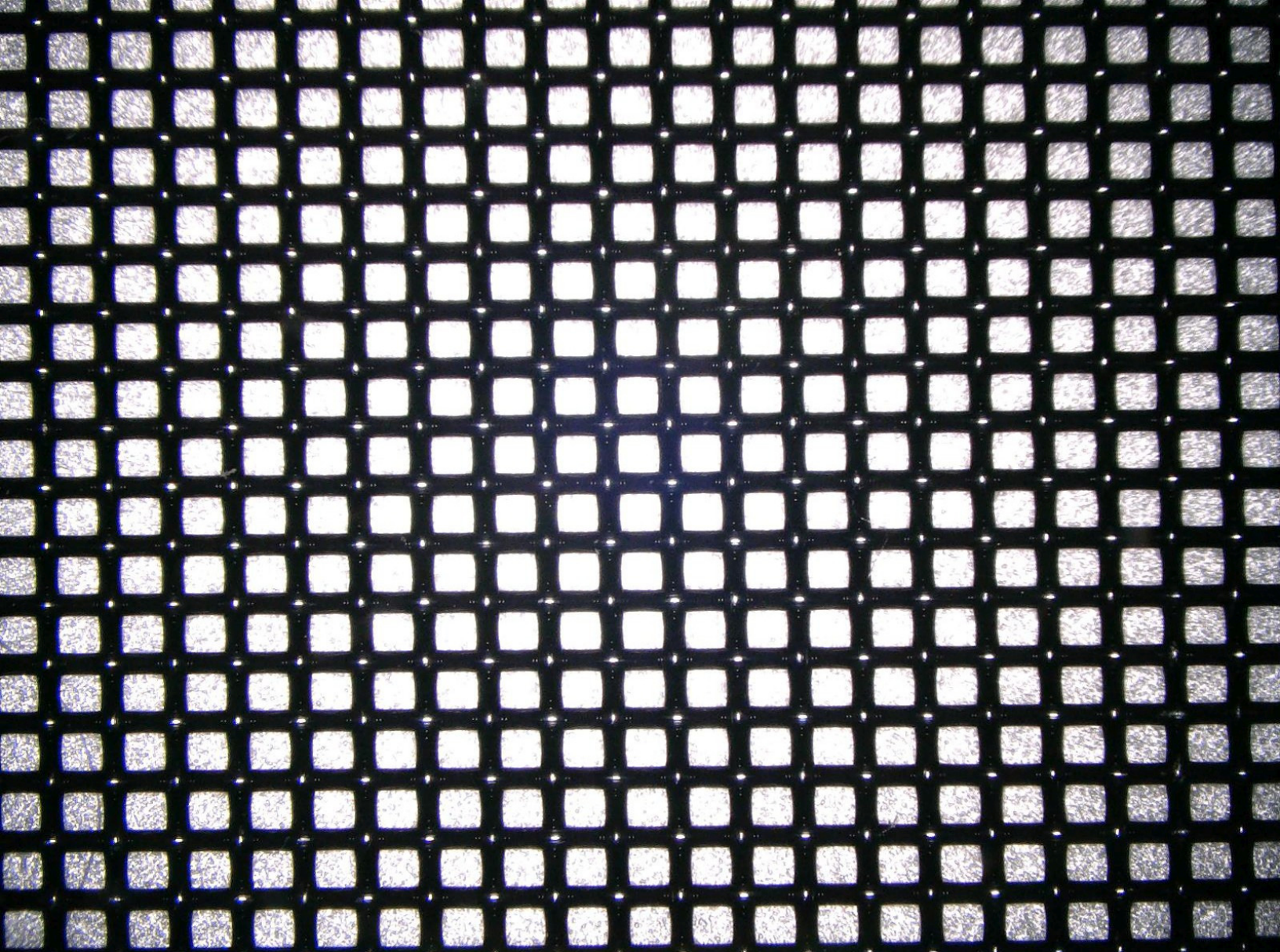
201	0.318 mm ²	0.743 mm	0.579 mm	2.398 mm
202	0.319 mm ²	0.736 mm	0.569 mm	2.515 mm
203	0.323 mm ²	0.752 mm	0.573 mm	2.384 mm
204	0.301 mm ²	0.728 mm	0.546 mm	2.251 mm
205	0.303 mm ²	0.728 mm	0.546 mm	2.204 mm
206	0.293 mm ²	0.713 mm	0.536 mm	2.206 mm
207	0.292 mm ²	0.713 mm	0.525 mm	2.194 mm
208	0.291 mm ²	0.704 mm	0.514 mm	2.212 mm
209	0.244 mm ²	0.665 mm	0.481 mm	1.957 mm
210	0.236 mm ²	0.65 mm	0.47 mm	1.916 mm
211	0.292 mm ²	0.72 mm	0.514 mm	2.133 mm
212	0.285 mm ²	0.713 mm	0.514 mm	2.136 mm
213	0.275 mm ²	0.69 mm	0.503 mm	2.11 mm
214	0.323 mm ²	0.766 mm	0.581 mm	2.53 mm
215	0.325 mm ²	0.744 mm	0.587 mm	2.631 mm
216	0.302 mm ²	0.729 mm	0.536 mm	2.287 mm
217	0.295 mm ²	0.72 mm	0.536 mm	2.203 mm
218	0.297 mm ²	0.729 mm	0.514 mm	2.134 mm
219	0.31 mm ²	0.728 mm	0.558 mm	2.315 mm
220	0.312 mm ²	0.751 mm	0.547 mm	2.309 mm
221	0.309 mm ²	0.735 mm	0.547 mm	2.3 mm
222	0.32 mm ²	0.743 mm	0.577 mm	2.381 mm
223	0.316 mm ²	0.743 mm	0.565 mm	2.354 mm
224	0.309 mm ²	0.729 mm	0.547 mm	2.29 mm
225	0.298 mm ²	0.719 mm	0.547 mm	2.189 mm
226	0.297 mm ²	0.728 mm	0.536 mm	2.251 mm
227	0.294 mm ²	0.712 mm	0.536 mm	2.271 mm
228	0.296 mm ²	0.723 mm	0.514 mm	2.158 mm
229	0.29 mm ²	0.713 mm	0.514 mm	2.158 mm
230	0.249 mm ²	0.673 mm	0.492 mm	1.979 mm
231	0.279 mm ²	0.697 mm	0.514 mm	2.153 mm
232	0.221 mm ²	0.636 mm	0.438 mm	1.864 mm
233	0.308 mm ²	0.743 mm	0.566 mm	2.457 mm
234	0.3 mm ²	0.736 mm	0.545 mm	2.195 mm
235	0.297 mm ²	0.728 mm	0.536 mm	2.18 mm
236	0.296 mm ²	0.72 mm	0.525 mm	2.124 mm
237	0.287 mm ²	0.72 mm	0.514 mm	2.176 mm
238	0.302 mm ²	0.728 mm	0.536 mm	2.265 mm
239	0.32 mm ²	0.743 mm	0.578 mm	2.332 mm
240	0.31 mm ²	0.735 mm	0.547 mm	2.354 mm
241	0.319 mm ²	0.743 mm	0.569 mm	2.377 mm
242	0.308 mm ²	0.743 mm	0.558 mm	2.307 mm
243	0.314 mm ²	0.737 mm	0.558 mm	2.3 mm
244	0.302 mm ²	0.72 mm	0.547 mm	2.266 mm

245	0.31 mm ²	0.743 mm	0.547 mm	2.3 mm
246	0.304 mm ²	0.729 mm	0.553 mm	2.25 mm
247	0.298 mm ²	0.72 mm	0.547 mm	2.234 mm
248	0.29 mm ²	0.712 mm	0.525 mm	2.149 mm
249	0.294 mm ²	0.721 mm	0.525 mm	2.204 mm
250	0.29 mm ²	0.712 mm	0.514 mm	2.167 mm
251	0.259 mm ²	0.681 mm	0.503 mm	1.982 mm
252	0.274 mm ²	0.698 mm	0.514 mm	2.159 mm
253	0.208 mm ²	0.617 mm	0.416 mm	1.841 mm
254	0.284 mm ²	0.705 mm	0.514 mm	2.114 mm
255	0.301 mm ²	0.735 mm	0.536 mm	2.186 mm
256	0.297 mm ²	0.72 mm	0.536 mm	2.198 mm
257	0.293 mm ²	0.728 mm	0.525 mm	2.21 mm
258	0.289 mm ²	0.713 mm	0.514 mm	2.151 mm
259	0.3 mm ²	0.72 mm	0.558 mm	2.219 mm
260	0.302 mm ²	0.744 mm	0.547 mm	2.302 mm
261	0.298 mm ²	0.72 mm	0.536 mm	2.212 mm
262	0.302 mm ²	0.72 mm	0.557 mm	2.238 mm
263	0.295 mm ²	0.72 mm	0.552 mm	2.238 mm
264	0.305 mm ²	0.728 mm	0.547 mm	2.265 mm
265	0.307 mm ²	0.729 mm	0.547 mm	2.238 mm
266	0.296 mm ²	0.729 mm	0.536 mm	2.231 mm
267	0.296 mm ²	0.727 mm	0.536 mm	2.207 mm
268	0.286 mm ²	0.712 mm	0.525 mm	2.21 mm
269	0.292 mm ²	0.72 mm	0.514 mm	2.23 mm
270	0.287 mm ²	0.706 mm	0.514 mm	2.127 mm
271	0.263 mm ²	0.689 mm	0.514 mm	2.059 mm
272	0.283 mm ²	0.705 mm	0.514 mm	2.163 mm
273	0.275 mm ²	0.69 mm	0.525 mm	2.141 mm
274	0.2 mm ²	0.622 mm	0.394 mm	1.88 mm
275	0.285 mm ²	0.712 mm	0.525 mm	2.121 mm
276	0.297 mm ²	0.72 mm	0.546 mm	2.207 mm
277	0.294 mm ²	0.728 mm	0.536 mm	2.221 mm
278	0.291 mm ²	0.72 mm	0.514 mm	2.106 mm
279	0.299 mm ²	0.728 mm	0.558 mm	2.321 mm
280	0.304 mm ²	0.735 mm	0.558 mm	2.297 mm
281	0.3 mm ²	0.743 mm	0.536 mm	2.238 mm
282	0.296 mm ²	0.743 mm	0.525 mm	2.217 mm
283	0.304 mm ²	0.729 mm	0.569 mm	2.319 mm
284	0.308 mm ²	0.736 mm	0.558 mm	2.278 mm
285	0.307 mm ²	0.735 mm	0.558 mm	2.317 mm
286	0.297 mm ²	0.72 mm	0.547 mm	2.207 mm
287	0.298 mm ²	0.72 mm	0.547 mm	2.182 mm
288	0.297 mm ²	0.72 mm	0.536 mm	2.216 mm

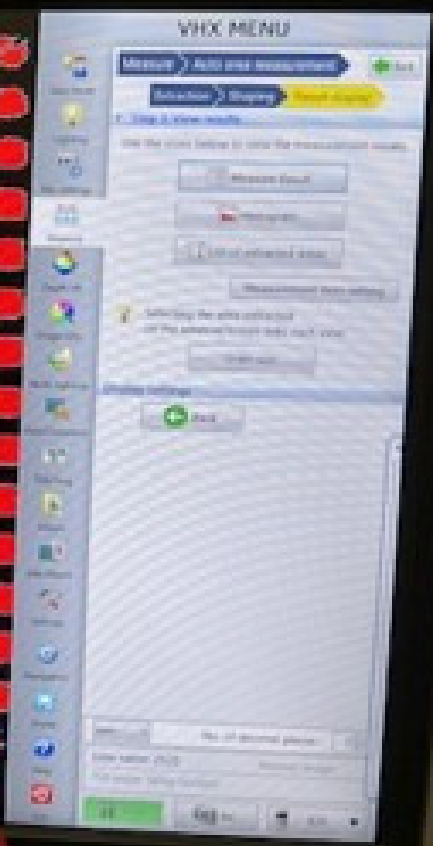
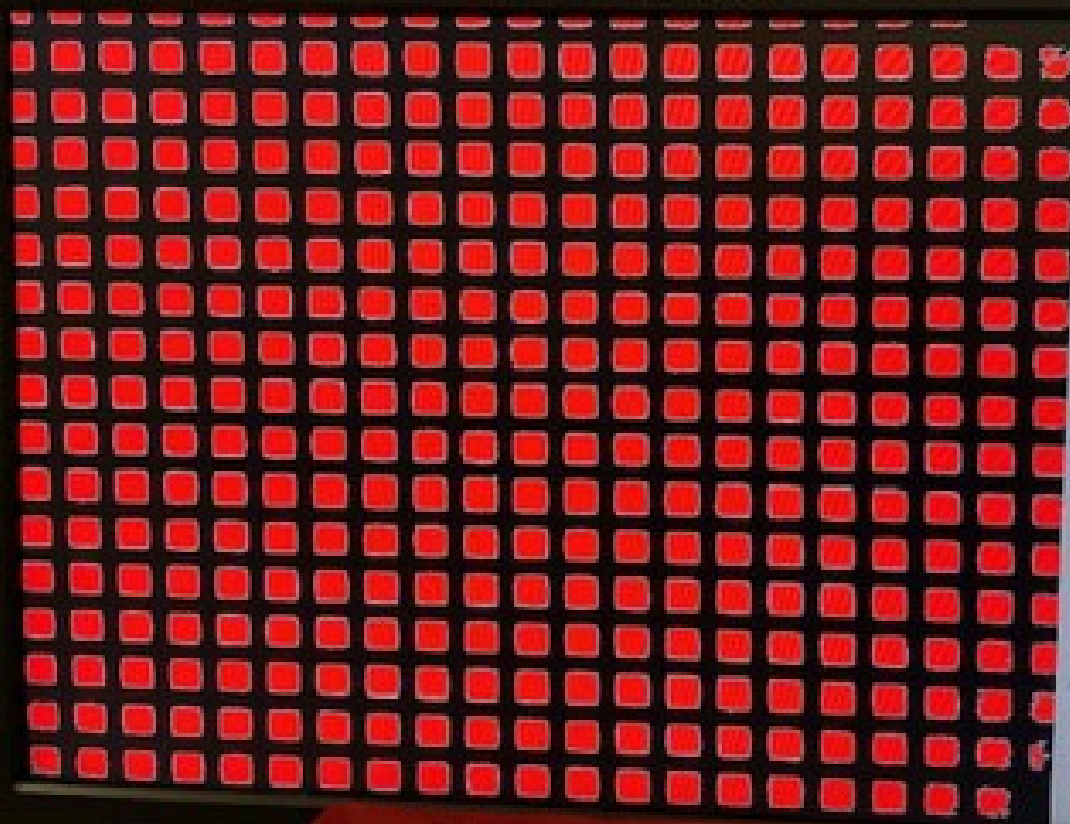
289	0.293 mm ²	0.719 mm	0.536 mm	2.153 mm
290	0.291 mm ²	0.712 mm	0.525 mm	2.194 mm
291	0.291 mm ²	0.712 mm	0.525 mm	2.115 mm
292	0.27 mm ²	0.689 mm	0.514 mm	2.095 mm
293	0.285 mm ²	0.706 mm	0.514 mm	2.111 mm
294	0.26 mm ²	0.681 mm	0.503 mm	2.201 mm
295	0.168 mm ²	0.545 mm	0.372 mm	2.073 mm
296	0.283 mm ²	0.712 mm	0.525 mm	2.163 mm
297	0.271 mm ²	0.697 mm	0.503 mm	2.092 mm
298	0.3 mm ²	0.735 mm	0.547 mm	2.195 mm
299	0.295 mm ²	0.72 mm	0.536 mm	2.151 mm
300	0.287 mm ²	0.713 mm	0.525 mm	2.133 mm
301	0.301 mm ²	0.728 mm	0.558 mm	2.243 mm
302	0.295 mm ²	0.728 mm	0.569 mm	2.217 mm
303	0.304 mm ²	0.728 mm	0.558 mm	2.211 mm
304	0.304 mm ²	0.729 mm	0.558 mm	2.29 mm
305	0.3 mm ²	0.735 mm	0.536 mm	2.25 mm
306	0.3 mm ²	0.728 mm	0.558 mm	2.207 mm
307	0.306 mm ²	0.728 mm	0.547 mm	2.256 mm
308	0.294 mm ²	0.727 mm	0.547 mm	2.189 mm
309	0.3 mm ²	0.727 mm	0.547 mm	2.204 mm
310	0.294 mm ²	0.712 mm	0.536 mm	2.182 mm
311	0.29 mm ²	0.72 mm	0.525 mm	2.094 mm
312	0.287 mm ²	0.704 mm	0.525 mm	2.157 mm
313	0.282 mm ²	0.712 mm	0.525 mm	2.172 mm
314	0.27 mm ²	0.675 mm	0.525 mm	2.085 mm
315	0.253 mm ²	0.673 mm	0.503 mm	2.279 mm
316	0.153 mm ²	0.565 mm	0.361 mm	2.49 mm
317	0.284 mm ²	0.706 mm	0.536 mm	2.175 mm
318	0.266 mm ²	0.681 mm	0.514 mm	2.118 mm
319	0.275 mm ²	0.72 mm	0.503 mm	2.121 mm
320	0.287 mm ²	0.712 mm	0.536 mm	2.139 mm
321	0.289 mm ²	0.72 mm	0.525 mm	2.127 mm
322	0.29 mm ²	0.72 mm	0.525 mm	2.185 mm
323	0.292 mm ²	0.712 mm	0.558 mm	2.247 mm
324	0.296 mm ²	0.72 mm	0.543 mm	2.213 mm
325	0.291 mm ²	0.72 mm	0.536 mm	2.164 mm
326	0.297 mm ²	0.721 mm	0.536 mm	2.182 mm
327	0.299 mm ²	0.735 mm	0.547 mm	2.294 mm
328	0.295 mm ²	0.72 mm	0.547 mm	2.21 mm
329	0.291 mm ²	0.706 mm	0.543 mm	2.163 mm
330	0.293 mm ²	0.72 mm	0.536 mm	2.255 mm
331	0.287 mm ²	0.712 mm	0.529 mm	2.191 mm
332	0.279 mm ²	0.698 mm	0.525 mm	2.132 mm

333	0.282 mm ²	0.705 mm	0.514 mm	2.093 mm
334	0.258 mm ²	0.673 mm	0.509 mm	2.207 mm
335	0.273 mm ²	0.712 mm	0.514 mm	2.171 mm
336	0.224 mm ²	0.642 mm	0.503 mm	2.918 mm
337	0.096 mm ²	0.49 mm	0.321 mm	2.302 mm
338	0.257 mm ²	0.665 mm	0.503 mm	2.406 mm
339	0.286 mm ²	0.72 mm	0.525 mm	2.1 mm
340	0.279 mm ²	0.704 mm	0.514 mm	2.15 mm
341	0.273 mm ²	0.704 mm	0.503 mm	2.161 mm
342	0.291 mm ²	0.712 mm	0.554 mm	2.203 mm
343	0.29 mm ²	0.72 mm	0.536 mm	2.176 mm
344	0.282 mm ²	0.712 mm	0.525 mm	2.111 mm
345	0.295 mm ²	0.72 mm	0.558 mm	2.25 mm
346	0.295 mm ²	0.72 mm	0.536 mm	2.185 mm
347	0.296 mm ²	0.72 mm	0.547 mm	2.252 mm
348	0.286 mm ²	0.704 mm	0.536 mm	2.237 mm
349	0.291 mm ²	0.727 mm	0.545 mm	2.238 mm
350	0.296 mm ²	0.72 mm	0.525 mm	2.198 mm
351	0.292 mm ²	0.712 mm	0.536 mm	2.206 mm
352	0.286 mm ²	0.697 mm	0.525 mm	2.132 mm
353	0.278 mm ²	0.705 mm	0.514 mm	2.178 mm
354	0.281 mm ²	0.704 mm	0.514 mm	2.132 mm
355	0.252 mm ²	0.681 mm	0.514 mm	2.242 mm
356	0.265 mm ²	0.697 mm	0.514 mm	2.31 mm

	Area	Unit
Total area	98.171 mm ²	
Count	356 pcs	
Area ratio	42.725 %	
Total region	229.773 mm ²	



KEYENCE



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VHX

Verification Edmunds Industrial Optics PN 57-981

Date 9/11/2025

LB SHS18-39

Nominal dc 19.2

Actual dota 19.0

Title Auto area measurement results data

Date saved 9/11/2025 8:57 AM

Comment

[Statistics]

	Area	Unit	Max diamet	Unit	Min diamet	Unit	Perimeter	Unit
Average	0.05	mm ²	0.253	mm	0.247	mm	0.835	mm
Standard D	0.001	mm ²	0.003	mm	0.002	mm	0.012	mm
Max	0.052	mm ²	0.265	mm	0.252	mm	0.874	mm
Min	0.049	mm ²	0.25	mm	0.244	mm	0.812	mm
Total	6.448	mm ²	32.938	mm	32.066	mm	108.503	mm

[Main]

No.	Area	Unit	Max diameter	Unit	Min diameter	Unit	Perimeter	Unit
1	0.051	mm ²	0.26	mm	0.251	mm	0.859	mm
2	0.05	mm ²	0.255	mm	0.249	mm	0.845	mm
3	0.051	mm ²	0.265	mm	0.244	mm	0.861	mm
4	0.05	mm ²	0.253	mm	0.248	mm	0.843	mm
5	0.049	mm ²	0.256	mm	0.247	mm	0.842	mm
6	0.049	mm ²	0.252	mm	0.246	mm	0.834	mm
7	0.049	mm ²	0.251	mm	0.247	mm	0.833	mm
8	0.049	mm ²	0.251	mm	0.247	mm	0.833	mm
9	0.049	mm ²	0.251	mm	0.244	mm	0.825	mm
10	0.049	mm ²	0.25	mm	0.244	mm	0.826	mm
11	0.05	mm ²	0.256	mm	0.247	mm	0.845	mm
12	0.049	mm ²	0.251	mm	0.246	mm	0.841	mm
13	0.05	mm ²	0.257	mm	0.248	mm	0.844	mm
14	0.051	mm ²	0.258	mm	0.252	mm	0.874	mm
15	0.05	mm ²	0.259	mm	0.248	mm	0.855	mm
16	0.05	mm ²	0.256	mm	0.248	mm	0.846	mm
17	0.05	mm ²	0.252	mm	0.248	mm	0.827	mm
18	0.049	mm ²	0.253	mm	0.248	mm	0.83	mm
19	0.049	mm ²	0.252	mm	0.247	mm	0.827	mm
20	0.049	mm ²	0.251	mm	0.246	mm	0.834	mm
21	0.049	mm ²	0.251	mm	0.246	mm	0.834	mm
22	0.049	mm ²	0.251	mm	0.246	mm	0.838	mm
23	0.049	mm ²	0.253	mm	0.247	mm	0.833	mm
24	0.049	mm ²	0.252	mm	0.244	mm	0.818	mm
25	0.049	mm ²	0.251	mm	0.246	mm	0.829	mm

26	0.049 mm ²	0.251 mm	0.244 mm	0.828 mm
27	0.05 mm ²	0.257 mm	0.248 mm	0.847 mm
28	0.05 mm ²	0.255 mm	0.248 mm	0.836 mm
29	0.05 mm ²	0.254 mm	0.248 mm	0.835 mm
30	0.05 mm ²	0.252 mm	0.247 mm	0.828 mm
31	0.049 mm ²	0.252 mm	0.248 mm	0.832 mm
32	0.049 mm ²	0.251 mm	0.247 mm	0.828 mm
33	0.049 mm ²	0.251 mm	0.247 mm	0.824 mm
34	0.049 mm ²	0.25 mm	0.244 mm	0.818 mm
35	0.049 mm ²	0.25 mm	0.247 mm	0.834 mm
36	0.049 mm ²	0.251 mm	0.246 mm	0.827 mm
37	0.049 mm ²	0.25 mm	0.244 mm	0.818 mm
38	0.049 mm ²	0.251 mm	0.244 mm	0.831 mm
39	0.049 mm ²	0.252 mm	0.244 mm	0.826 mm
40	0.049 mm ²	0.251 mm	0.246 mm	0.829 mm
41	0.049 mm ²	0.252 mm	0.247 mm	0.833 mm
42	0.049 mm ²	0.254 mm	0.247 mm	0.838 mm
43	0.05 mm ²	0.255 mm	0.25 mm	0.849 mm
44	0.05 mm ²	0.254 mm	0.248 mm	0.841 mm
45	0.049 mm ²	0.252 mm	0.247 mm	0.828 mm
46	0.049 mm ²	0.253 mm	0.248 mm	0.835 mm
47	0.049 mm ²	0.25 mm	0.244 mm	0.815 mm
48	0.049 mm ²	0.251 mm	0.244 mm	0.821 mm
49	0.049 mm ²	0.25 mm	0.244 mm	0.815 mm
50	0.049 mm ²	0.25 mm	0.246 mm	0.827 mm
51	0.049 mm ²	0.251 mm	0.244 mm	0.818 mm
52	0.049 mm ²	0.25 mm	0.244 mm	0.826 mm
53	0.049 mm ²	0.251 mm	0.244 mm	0.827 mm
54	0.049 mm ²	0.252 mm	0.248 mm	0.832 mm
55	0.049 mm ²	0.251 mm	0.247 mm	0.837 mm
56	0.049 mm ²	0.251 mm	0.247 mm	0.822 mm
57	0.05 mm ²	0.253 mm	0.248 mm	0.836 mm
58	0.05 mm ²	0.252 mm	0.247 mm	0.841 mm
59	0.049 mm ²	0.253 mm	0.247 mm	0.824 mm
60	0.049 mm ²	0.25 mm	0.244 mm	0.819 mm
61	0.049 mm ²	0.25 mm	0.244 mm	0.816 mm
62	0.049 mm ²	0.25 mm	0.244 mm	0.827 mm
63	0.049 mm ²	0.25 mm	0.244 mm	0.812 mm
64	0.05 mm ²	0.255 mm	0.248 mm	0.836 mm
65	0.05 mm ²	0.253 mm	0.244 mm	0.826 mm
66	0.049 mm ²	0.251 mm	0.244 mm	0.821 mm
67	0.049 mm ²	0.251 mm	0.244 mm	0.823 mm
68	0.049 mm ²	0.252 mm	0.244 mm	0.834 mm
69	0.049 mm ²	0.252 mm	0.246 mm	0.823 mm

70	0.05 mm ²	0.254 mm	0.244 mm	0.833 mm
71	0.05 mm ²	0.254 mm	0.248 mm	0.834 mm
72	0.049 mm ²	0.251 mm	0.244 mm	0.821 mm
73	0.049 mm ²	0.252 mm	0.247 mm	0.83 mm
74	0.049 mm ²	0.251 mm	0.247 mm	0.828 mm
75	0.049 mm ²	0.25 mm	0.244 mm	0.821 mm
76	0.049 mm ²	0.25 mm	0.244 mm	0.822 mm
77	0.051 mm ²	0.258 mm	0.248 mm	0.849 mm
78	0.049 mm ²	0.252 mm	0.244 mm	0.818 mm
79	0.049 mm ²	0.252 mm	0.247 mm	0.823 mm
80	0.049 mm ²	0.25 mm	0.247 mm	0.824 mm
81	0.049 mm ²	0.252 mm	0.244 mm	0.823 mm
82	0.049 mm ²	0.252 mm	0.247 mm	0.832 mm
83	0.05 mm ²	0.255 mm	0.248 mm	0.85 mm
84	0.049 mm ²	0.251 mm	0.247 mm	0.825 mm
85	0.049 mm ²	0.25 mm	0.248 mm	0.829 mm
86	0.049 mm ²	0.251 mm	0.244 mm	0.816 mm
87	0.049 mm ²	0.251 mm	0.244 mm	0.834 mm
88	0.051 mm ²	0.259 mm	0.25 mm	0.861 mm
89	0.051 mm ²	0.255 mm	0.25 mm	0.84 mm
90	0.05 mm ²	0.253 mm	0.244 mm	0.823 mm
91	0.049 mm ²	0.251 mm	0.244 mm	0.831 mm
92	0.049 mm ²	0.252 mm	0.247 mm	0.825 mm
93	0.05 mm ²	0.253 mm	0.248 mm	0.839 mm
94	0.049 mm ²	0.253 mm	0.247 mm	0.834 mm
95	0.049 mm ²	0.253 mm	0.247 mm	0.839 mm
96	0.05 mm ²	0.255 mm	0.248 mm	0.838 mm
97	0.049 mm ²	0.252 mm	0.248 mm	0.829 mm
98	0.05 mm ²	0.251 mm	0.248 mm	0.83 mm
99	0.05 mm ²	0.253 mm	0.248 mm	0.829 mm
100	0.049 mm ²	0.253 mm	0.247 mm	0.831 mm
101	0.05 mm ²	0.256 mm	0.248 mm	0.841 mm
102	0.05 mm ²	0.253 mm	0.248 mm	0.833 mm
103	0.05 mm ²	0.252 mm	0.247 mm	0.828 mm
104	0.051 mm ²	0.261 mm	0.251 mm	0.865 mm
105	0.05 mm ²	0.255 mm	0.248 mm	0.854 mm
106	0.05 mm ²	0.253 mm	0.247 mm	0.824 mm
107	0.05 mm ²	0.253 mm	0.247 mm	0.825 mm
108	0.05 mm ²	0.253 mm	0.248 mm	0.834 mm
109	0.05 mm ²	0.253 mm	0.248 mm	0.827 mm
110	0.05 mm ²	0.255 mm	0.248 mm	0.836 mm
111	0.05 mm ²	0.257 mm	0.248 mm	0.851 mm
112	0.05 mm ²	0.255 mm	0.248 mm	0.84 mm
113	0.05 mm ²	0.256 mm	0.248 mm	0.842 mm

114	0.05 mm ²	0.256 mm	0.248 mm	0.85 mm
115	0.051 mm ²	0.257 mm	0.251 mm	0.847 mm
116	0.05 mm ²	0.257 mm	0.248 mm	0.846 mm
117	0.051 mm ²	0.259 mm	0.248 mm	0.865 mm
118	0.05 mm ²	0.255 mm	0.25 mm	0.845 mm
119	0.05 mm ²	0.256 mm	0.25 mm	0.843 mm
120	0.05 mm ²	0.254 mm	0.248 mm	0.844 mm
121	0.05 mm ²	0.256 mm	0.248 mm	0.833 mm
122	0.05 mm ²	0.256 mm	0.247 mm	0.834 mm
123	0.05 mm ²	0.258 mm	0.248 mm	0.841 mm
124	0.051 mm ²	0.263 mm	0.248 mm	0.861 mm
125	0.05 mm ²	0.254 mm	0.248 mm	0.848 mm
126	0.05 mm ²	0.254 mm	0.248 mm	0.835 mm
127	0.051 mm ²	0.258 mm	0.25 mm	0.863 mm
128	0.051 mm ²	0.26 mm	0.248 mm	0.853 mm
129	0.052 mm ²	0.261 mm	0.252 mm	0.873 mm
130	0.051 mm ²	0.26 mm	0.251 mm	0.848 mm

	Area	Unit
Total area	6.448 mm ²	
Count	130 pcs	
Area ratio	19.021 %	
Total region	33.899 mm ²	

