KB Series Legend Packet

Contents

    The primary purpose of this Legend Packet is to let our customers know that NKK Switches provides full support regarding your legending requirements. The packet is designed to provide information to make your legending choices easy and concise, and to let you know that our availability can range from answering a few questions to guiding you through the entire process. Feel free to acquaint yourself with the following pages specific to your applications, then contact us and let us know how we may be of further assistance. We look forward to serving all you legending needs.

Customer Request Form

1 Customer Information

Today's Date _____

Company Name	Phone ( )
Address	Fax ( )
City	State	Zip Code
Contact Person	Email

Important! Please complete one Request Form for each legend requested.

2 Switch

Switch Part Number _____   Quantity Requested _____

Cap Part Number _____

Refer to Legend Packet page KB3 if you need assistance.

3 Surface

☐ Lens   ☐ Film Insert   ☐ Other (contact factory) _____

See Legend Packet page KB3 if you need more information on printable surfaces.

4 Font Style and Size

☐ Helvetica Light   ☐ Helvetica Regular   ☐ **Helvetica Bold**   ☐ **Helvetica Black**   ☐ Other Font Style (contact factory)

Font Size: _____ point

Refer to Legend Packet pages KB5 through KB9 to determine your font stye and point size.

5 Characters

1 line

START — Your Legend Text Here

Sample

2 lines

ON OFF — Your Legend Text Here

Sample

3 lines
Not Recommended

AC FAN ONLY — Your Legend Text Here

Sample

Minimum distance between characters is critical to legibility and cannot be less than .015".
Refer to Legend Packet page KB10 to determine your maximum printable area. Legend Packet pages KB5 through KB9 provide character widths and heights. Note: All legends will be centered unless otherwise indicated.

6

Please make your selections below by checking one box in each row.

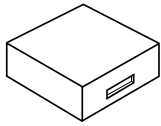**Legend Color**   ☐ Black   ☐ White   ☐ Other (contact factory)

Printing Method   ☐ Screen Print   ☐ Pad Print   ☐ Laser Etch   ☐ Other (contact factory)

*Legend Orientation   ☐ P/N Left   ☐ P/N Top   ☐ P/N Right   ☐ P/N Bottom

*See Legend Packet page KB4 for legend orientation specifications.

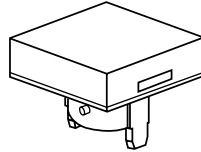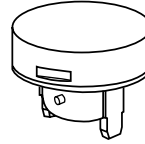## Solid Cap for Incandescent Lamp and for Nonilluminated

Lens

Filter

Legend on Lens

AT485
Square

AT486
Round

AT4021
Rectangular
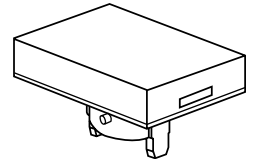
Insert Cap for Incandescent or Neon Lamp

Lens

Film Insert

Filter

Legend on Lens or Film Insert

AT487
Square
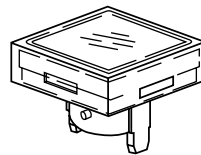
AT488
Round
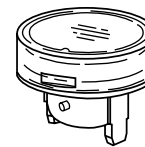
AT4022
Rectangular
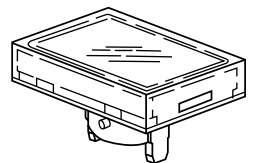
Spot Illuminated Cap for Bright LED with or without Resistor
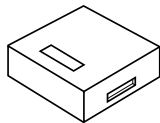
Lens

Legend on Lens

AT4051
Square
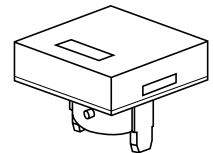
Cap for Bright LED without Resistor or LED with Resistor

Lens

Film Insert

Filter

Legend on Lens or Film Insert

AT4133
AT4158
Square
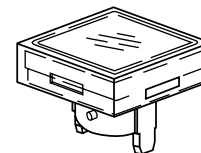
AT4132
AT4160
Round
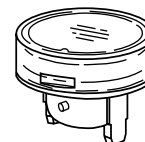
AT4134
AT4159
Rectangular
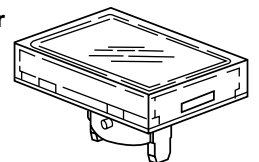
Cap for Super Bright LED
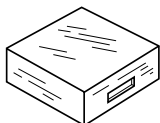
Lens
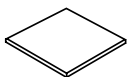
Film Insert

Diffuser

Legend on Lens or Film Insert

AT4133
Square
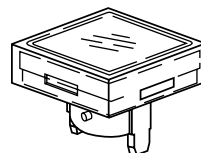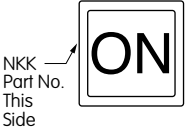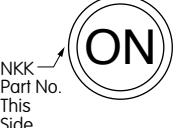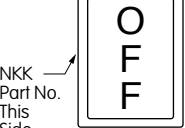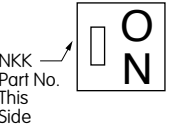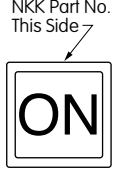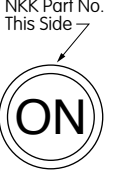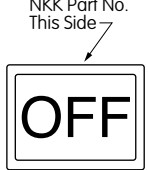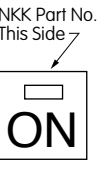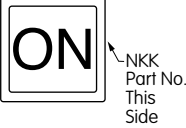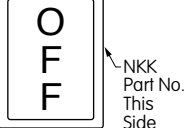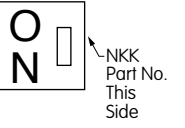
AT4132
Round
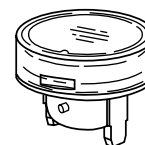
AT4134
Rectangular
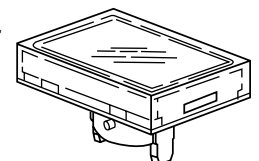
Orientation of Legends on Square, Round and Rectangular Switches

1 — NKK Part No. Left Side

NKK Part No. This Side → ON	NKK Part No. This Side → ON	NKK Part No. This Side → OFF	NKK Part No. This Side → O N
Square	Round	Rectangular	Square, Spot Illuminated

2 — NKK Part No. Top

NKK Part No. This Side ↘ ON	NKK Part No. This Side ↘ ON	NKK Part No. This Side ↘ OFF	NKK Part No. This Side ↘ ON
Square	Round	Rectangular	Square, Spot Illuminated

3 — NKK Part No. Right Side

|			
ON ← NKK Part No. This Side	ON ← NKK Part No. This Side	OFF ← NKK Part No. This Side	O N ← NKK Part No. This Side
Square	Round	Rectangular	Square, Spot Illuminated

4 — NKK Part No. Bottom

ON ↗ NKK Part No. This Side	ON ↗ NKK Part No. This Side	OFF ↗ NKK Part No. This Side	ON ↗ NKK Part No. This Side
Square	Round	Rectangular	Square, Spot Illuminated

KB Series Legend Instructions

The following tables display Helvetica font styles in graduated point sizes. These tables can give you an idea at a glance which size might be most compatible for your legend. For more detailed information on each font style and individual character widths, see pages KB6 through KB9.

HELVETICA LIGHT

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.063″	.075″	.084″	.092″	.100″	.111″	.120″	.141″	.161″	.189″	.211″	.231″

See page KB6 for the Helvetica Light Font Style table.

HELVETICA REGULAR

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.064″	.077″	.086″	.096″	.107″	.118″	.129″	.149″	.171″	.189″	.214″	.250″

See page KB7 for the Helvetica Regular Font Style table.

HELVETICA BOLD

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.086″	.096″	.107″	.117″	.128″	.149″	.170″	.191″	.203″	.234″

See page KB8 for the Helvetica Bold Font Style table.

HELVETICA BLACK

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.084″	.095″	.106″	.116″	.126″	.149″	.169″	.189″	.211″	.229″

See page KB9 for the Helvetica Black Font Style table.

Note: Minimum distance between characters on any font style is critical to legibility and cannot be less than .015″. Remember to include this dimension *between* each character width when calculating overall legend length.

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.063″	.075″	.084″	.092″	.100″	.111″	.120″	.141″	.161″	.189″	.211″	.231″
Character	Character Widths in Inches											
A	.054	.062	.071	.081	.089	.098	.107	.124	.142	.160	.178	.195
B	.044	.053	.053	.068	.075	.083	.089	.104	.117	.134	.148	.163
C	.051	.062	.070	.079	.088	.088	.104	.122	.139	.156	.174	.191
D	.050	.058	.069	.074	.083	.091	.098	.116	.131	.148	.163	.181
E	.042	.049	.055	.063	.069	.076	.076	.096	.109	.123	.137	.150
F	.038	.045	.053	.059	.064	.072	.072	.091	.102	.117	.130	.142
G	.055	.063	.072	.072	.092	.099	.109	.126	.143	.162	.180	.197
H	.048	.056	.063	.072	.079	.087	.095	.110	.125	.142	.158	.174
I	.006	.008	.009	.010	.010	.011	.012	.014	.015	.018	.020	.022
J	.033	.040	.044	.050	.056	.061	.061	.077	.088	.100	.110	.122
K	.048	.056	.063	.071	.079	.088	.088	.110	.127	.145	159	.173
L	.037	.045	.050	.057	.064	.070	.076	.089	.102	.115	.127	.140
M	.058	.065	.077	.086	.096	.104	.114	.132	.151	.171	.189	.206
N	.049	.056	.063	.073	.079	.087	.095	.110	.126	.142	.158	.174
O	.057	.065	.076	.084	.095	.103	.113	.131	.149	.169	.188	.205
P	.043	.050	.056	.064	.070	.076	.084	.097	.112	.126	.139	.152
Q	.057	.066	.076	.085	.094	.105	.113	.131	.149	.168	.186	.206
R	.047	.052	.061	.069	.075	.083	.090	.104	.118	.134	.151	.163
S	.045	.052	.059	.069	.074	.083	.087	.102	.117	.134	.147	.161
T	.045	.051	.059	.069	.073	.082	.088	.102	.116	.133	.146	.161
U	.048	.056	.063	.069	.078	.086	.094	.109	.125	.142	.155	.170
V	.049	.055	.064	.073	.079	.089	.096	.113	.129	.146	.162	.177
W	.073	.084	.096	.109	.121	.133	.145	.168	.192	.216	.241	.264
X	.048	.056	.064	.073	.082	.089	.097	.113	.129	.147	.162	.177
Y	.050	.058	.066	.074	.083	.090	.097	.115	.131	.147	.163	.181
Z	.047	.053	.062	.070	.077	.077	.092	.108	.122	.138	.153	.168
1	.022	.023	.028	.031	.036	.038	.042	.049	.055	.062	.069	.078
2	.041	.047	.053	.059	.065	.072	.078	.093	.105	.117	.131	.145
3	.041	.048	.054	.060	.067	.067	.080	.094	.107	.120	.133	.147
4	.041	.048	.054	.060	.068	.068	.082	.095	.108	.122	.134	.149
5	.040	.046	.053	.059	.067	.073	.079	.092	.105	.118	.131	.145
6	.040	.046	.054	.060	.066	.073	.081	.093	.104	.119	.132	.146
7	.038	.044	.051	.057	.063	.069	.075	.089	.101	.113	.125	.138
8	.040	.046	.052	.060	.060	.072	.078	.092	.106	.117	.131	.144
9	.040	.047	.054	.060	.066	.073	.080	.093	.106	.119	.133	.146
0	.040	.048	.054	.060	.067	.074	.080	.093	.107	.120	.133	.147
.	.005	.007	.008	.010	.010	.013	.013	.014	.017	.019	.019	.023
,	.007	.008	.009	.010	.010	.012	.014	.016	.017	.019	.021	.023
+	.042	.050	.056	.064	.069	.077	.085	.097	.110	.125	.139	.153
-	.021	.025	.029	.032	.036	.039	.043	.051	.056	.064	.071	.078
/	.023	.029	.033	.037	.042	.046	.050	.057	.065	.074	.081	.089

Note: Minimum distance between characters is critical to legibility and cannot be less than .015″.

Helvetica Regular

Actual Font and Size	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	.064″	.077″	.086″	.096″	.107″	.118″	.129″	.149″	.171″	.189″	.214″	.250″
Character	Character Widths in Inches											
A	.054	.063	.072	.081	.089	.097	.108	.126	.142	.159	.178	.196
B	.045	.054	.061	.069	.076	.084	.091	.105	.122	.139	.151	.167
C	.053	.062	.069	.079	.088	.096	.105	.122	.139	.159	.176	.194
D	.048	.056	.065	.073	.082	.090	.097	.112	.129	.145	.161	.178
E	.044	.052	.059	.066	.074	.081	.086	.103	.116	.132	.145	.160
F	.042	.056	.056	.063	.069	.076	.082	.095	.102	.123	.136	.149
G	.056	.064	.075	.085	.094	.103	.111	.130	.147	.167	.185	.204
H	.048	.056	.063	.071	.079	.087	.094	.109	.125	.140	.157	.173
I	.009	.010	.011	.010	.014	.013	.016	.019	.020	.024	.028	.029
J	.035	.041	.047	.051	.057	.064	.070	.081	.090	.102	.115	.127
K	.049	.057	.064	.073	.081	.088	.097	.111	.127	.144	.162	.178
L	.039	.043	.051	.057	.063	.069	.076	.088	.102	.113	.127	.139
M	.059	.067	.077	.086	.096	.107	.116	.134	.155	.173	.191	.211
N	.049	.058	.064	.072	.079	.087	.096	.111	.129	.141	.160	.175
O	.059	.069	.079	.089	.097	.109	.117	.138	.156	.177	.198	.215
P	.044	.052	.058	.066	.074	.082	.089	.103	.115	.133	.148	.161
Q	.058	.069	.079	.089	.099	.108	.117	.139	.157	.177	.198	.216
R	.050	.058	.067	.075	.082	.090	.098	.113	.130	.147	.164	.181
S	.048	.056	.064	.072	.080	.088	.096	.111	.126	.142	.161	.161
T	.049	.056	.063	.071	.080	.089	.097	.111	.127	.142	.161	.176
U	.048	.056	.063	.071	.078	.087	.094	.110	.126	.139	.158	.173
V	.052	.060	.071	.077	.086	.097	.103	.120	.138	.154	.173	.189
W	.076	.089	.101	.114	.128	.138	.153	.178	.204	.227	.251	.280
X	.053	.062	.071	.080	.088	.098	.106	.122	.140	.156	.174	.193
Y	.054	.064	.073	.083	.090	.100	.109	.126	.146	.162	.181	.200
Z	.047	.054	.063	.070	.078	.086	.094	.108	.124	.139	.155	.172
1	.021	.023	.029	.031	.035	.038	.041	.046	.056	.063	.068	.076
2	.041	.047	.055	.061	.066	.074	.078	.093	.107	.119	.134	.146
3	.041	.046	.054	.060	.067	.072	.080	.094	.107	.119	.133	.146
4	.042	.048	.056	.062	.069	.076	.082	.096	.111	.122	.138	.151
5	.041	.048	.054	.061	.067	.074	.080	.093	.107	.120	.134	.148
6	.040	.046	.054	.060	.066	.072	.080	.092	.107	.119	.131	.145
7	.041	.047	.053	.060	.069	.072	.080	.093	.105	.118	.133	.145
8	.040	.046	.053	.060	.066	.073	.079	.092	.107	.119	.133	.147
9	.040	.046	.053	.059	.065	.072	.080	.092	.105	.119	.132	.145
0	.040	.045	.052	.059	.065	.071	.077	.090	.102	.116	.129	.141
.	.009	.011	.012	.014	.015	.016	.017	.020	.023	.027	.029	.031
,	.008	.011	.012	.014	.017	.017	.018	.020	.024	.026	.030	.023
+	.041	.048	.054	.061	.068	.074	.081	.095	.110	.122	.134	.149
-	.020	.023	.026	.030	.034	.037	.041	.048	.054	.061	.066	.074
/	.025	.029	.033	.039	.041	.045	.050	.056	.065	.074	.081	.089

Note: Minimum distance between characters is critical to legibility and cannot be less than .015″.

KB Series Legend Instructions

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.086″	.096″	.107″	.117″	.128″	.149″	.170″	.191″	.203″	.234″
Character	Character Widths in Inches											
A	n/a	n/a	.076	.085	.095	.105	.113	.132	.150	.170	.189	.208
B			.065	.073	.082	.089	.097	.114	.129	.146	.163	.179
C			.073	.081	.089	.098	.107	.125	.144	.162	.179	.196
D	n/a	n/a	.068	.076	.085	.093	.102	.119	.135	.151	.168	.186
E			.062	.069	.076	.084	.092	.107	.122	.137	.152	.168
F			.057	.065	.072	.079	.086	.101	.115	.129	.143	.157
G	n/a	n/a	.075	.084	.094	.103	.112	.130	.149	.168	.186	.205
H			.065	.075	.083	.090	.099	.116	.131	.148	.164	.181
I			.017	.019	.022	.023	.026	.030	.034	.038	.043	.047
J	n/a	n/a	.052	.059	.065	.071	.077	.091	.103	.116	.129	.142
K			.073	.082	.090	.099	.109	.126	.143	.162	.180	.198
L			.056	.063	.070	.076	.084	.098	.111	.126	.140	.154
M	n/a	n/a	.080	.089	.100	.109	.120	.140	.159	.179	.199	.219
N			.067	.075	.083	.091	.100	.116	.132	.148	.166	.182
O			.079	.088	.097	.107	.118	.137	.156	.176	.195	.215
P	n/a	n/a	.063	.070	.078	.086	.095	.109	.124	.140	.155	.171
Q			.077	.088	.098	.108	.118	.137	.157	.175	.195	.216
R			.067	.076	.083	.092	.100	.116	.133	.149	.167	.184
S	n/a	n/a	.068	.076	.084	.092	.102	.118	.135	.151	.168	.185
T			.065	.074	.082	.089	.098	.115	.131	.147	.163	.180
U			.065	.073	.082	.089	.098	.114	.129	.145	.162	.177
V	n/a	n/a	.069	.078	.087	.096	.104	.122	.140	.157	.175	.191
W			.102	.116	.129	.142	.155	.180	.206	.230	.256	.281
X			.070	.081	.089	.098	.106	.122	.140	.159	.176	.193
Y	n/a	n/a	.069	.078	.087	.096	.105	.122	.139	.156	.175	.191
Z			.062	.069	.077	.084	.092	.108	.122	.138	.153	.168
1			.035	.039	.043	.049	.053	.060	.069	.078	.086	.096
2	n/a	n/a	.054	.061	.067	.074	.082	.094	.107	.122	.135	.148
3			.055	.062	.069	.076	.082	.095	.109	.122	.136	.149
4			.056	.063	.069	.077	.083	.098	.112	.125	.140	.153
5	n/a	n/a	.056	.062	.069	.076	.083	.096	.109	.122	.136	.151
6			.055	.063	.069	.076	.082	.096	.109	.122	.138	.149
7			.056	.063	.070	.077	.084	.098	.112	.119	.140	.154
8	n/a	n/a	.056	.063	.069	.078	.085	.099	.112	.127	.140	.154
9			.055	.061	.069	.076	.083	.096	.109	.122	.135	.149
0			.055	.062	.069	.076	.081	.096	.109	.122	.137	.150
.	n/a	n/a	.017	.019	.021	.023	.026	.030	.033	.038	.043	.047
,			.017	.020	.022	.023	.026	.030	.034	.038	.043	.047
+			.054	.061	.068	.075	.081	.096	.108	.122	.135	.148
-	n/a	n/a	.031	.034	.038	.042	.046	.054	.061	.069	.078	.084
/			.030	.035	.038	.043	.046	.054	.062	.069	.076	.084

Note: Minimum distance between characters is critical to legibility and cannot be less than .015″.

KB Series Legend Instructions

Actual Font and Size			EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI	EWI
Font Size in Points	6	7	8	9	10	11	12	14	16	18	20	22
Character Height	n/a	n/a	.084″	.095″	.106″	.116″	.126″	.149″	.169″	.189″	.211″	.229″
Character			Character Widths in Inches									
A	n/a	n/a	.085	.096	.106	.116	.127	.148	.170	.186	.211	.233
B			.075	.084	.093	.102	.111	.129	.147	.167	.184	.203
C			.082	.091	.102	.112	.122	.142	.162	.182	.203	.222
D	n/a	n/a	.078	.088	.097	.107	.115	.136	.155	.174	.193	.214
E			.068	.076	.084	.093	.101	.117	.134	.151	.168	.184
F			.063	.071	.079	.087	.094	.110	.125	.141	.157	.173
G	n/a	n/a	.082	.092	.102	.112	.122	.141	.162	.183	.203	.223
H			.078	.088	.097	.108	.117	.136	.155	.175	.194	.212
I			.027	.030	.034	.037	.040	.047	.053	.060	.067	.072
J	n/a	n/a	.065	.072	.081	.088	.096	.112	.127	.142	.159	.175
K			.084	.095	.104	.116	.125	.147	.167	.188	.210	.230
L			.063	.071	.079	.087	.094	.110	.125	.141	.157	.171
M	n/a	n/a	.092	.103	.115	.126	.139	.161	.184	.208	.230	.251
N			.078	.087	.097	.108	.116	.136	.155	.175	.194	.214
O			.085	.095	.106	.116	.126	.148	.168	.190	.211	.231
P	n/a	n/a	.074	.083	.092	.101	.109	.128	.146	.165	.183	.200
Q			.085	.095	.106	.116	.126	.147	.168	.189	.211	.230
R			.076	.087	.096	.105	.115	.135	.153	.172	.192	.212
S	n/a	n/a	.074	.083	.092	.101	.109	.129	.147	.165	.182	.201
T			.074	.084	.093	.102	.110	.129	.147	.166	.185	.203
U			.078	.088	.097	.108	.116	.135	.155	.175	.194	.211
V	n/a	n/a	.083	.093	.102	.112	.123	.142	.164	.184	.205	.226
W			.111	.124	.138	.152	.167	.194	.221	.250	.275	.303
X			.086	.097	.106	.117	.128	.149	.171	.190	.213	.234
Y	n/a	n/a	.086	.098	.109	.119	.129	.150	.172	.194	.215	.237
Z			.073	.082	.090	.100	.109	.127	.145	.163	.181	.199
1			.042	.047	.052	.058	.063	.073	.083	.094	.104	.113
2	n/a	n/a	.068	.076	.083	.091	.100	.117	.132	.149	.167	.183
3			.069	.076	.083	.092	.101	.117	.133	.150	.167	.184
4			.069	.076	.086	.094	.102	.120	.136	.154	.170	.188
5	n/a	n/a	.069	.076	.085	.094	.102	.120	.136	.153	.170	.186
6			.069	.077	.086	.095	.103	.121	.137	.154	.171	.189
7			.064	.072	.080	.088	.096	.111	.127	.142	.158	.175
8	n/a	n/a	.069	.077	.085	.094	.102	.120	.135	.154	.170	.186
9			.069	.077	.085	.096	.102	.121	.136	.155	.170	.189
0			.069	.076	.085	.095	.103	.119	.136	.154	.171	.189
.	n/a	n/a	.023	.027	.030	.033	.036	.042	.048	.053	.060	.066
,			.023	.027	.030	.033	.037	.042	.048	.054	.060	.066
+			.056	.063	.071	.077	.084	.098	.114	.127	.141	.155
-	n/a	n/a	.030	.034	.037	.042	.045	.053	.061	.068	.076	.083
/			.039	.043	.049	.052	.058	.068	.077	.086	.096	.104

Note: Minimum distance between characters is critical to legibility and cannot be less than .015″.

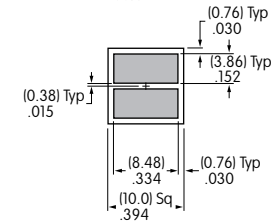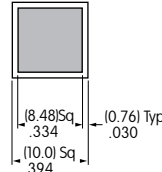Note: All gray areas represent printable surfaces.

Square Cap Lens
1 line maximum height .397″
2 lines maximum height .184″
Maximum width .397″
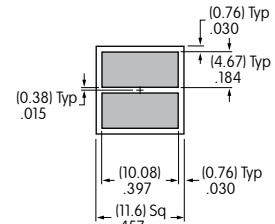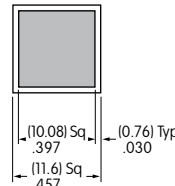
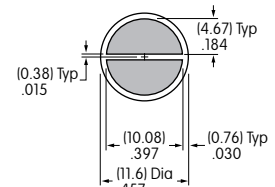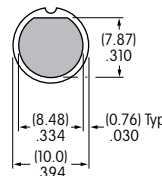### Square Film Insert
1 line maximum height .334″
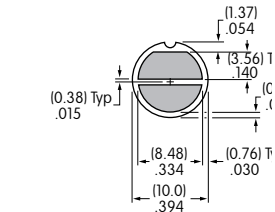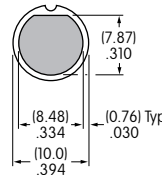2 lines maximum height .152″
Maximum width .334″

Round Cap Lens
Note maximum space available for 1 or 2 line legends. These dimensions must be considered when choosing font style and size for round cap lens.*
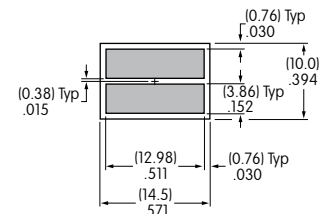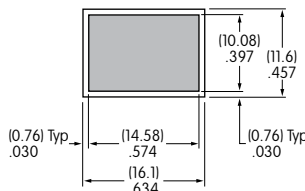
Round Film Insert
Note maximum space available for 1 or 2 line legends. These dimensions must be considered when choosing font style and size for round film insert.*
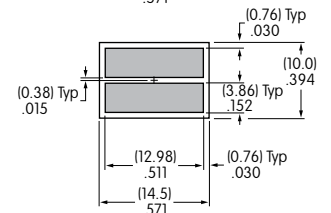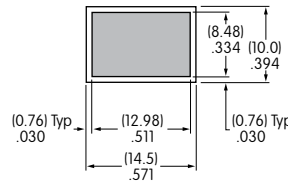
*Factory assistance available

Rectangular Cap Lens
1 line maximum height .397″
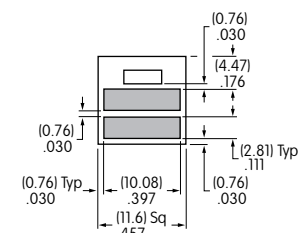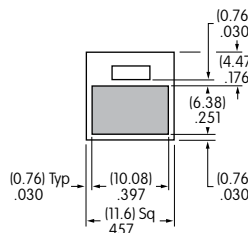2 lines maximum height .184″
Maximum width .574″

Rectangular Film Insert
1 line maximum height .334″
2 lines maximum height .152″
Maximum width .511″

Square Spot Illuminated Cap
1 line maximum height .251″
2 lines maximum height .111″
Maximum width .397″

Note maximum space available for 1 or 2 line legends. These dimensions must be considered when choosing font style and size for round printable area of cap lens or film insert.