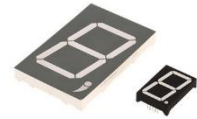
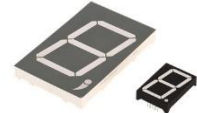


## Single Digit Numeric Displays

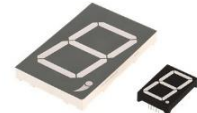
NO	PART NUMBER	IF	CHARACTER HEIGHT (in)	DIMENSIONS (mm)
1	FYS-2811A-BX-XX	10mA	0.28	10.00*7.40*6.10
2	FYS-2811C-DX-XX	10mA	0.28	10.00*7.40*6.10
3	FYS-2811I-JX-XX	10mA	0.28	10.00*7.40*6.10
4	FYS-3011A-BX-XX	10mA	0.30	19.00*10.06*5.40
5	FYS-3011C-DX-XX	10mA	0.30	19.00*10.06*5.40
6	FYS-3011E-FX-XX	10mA	0.30	19.00*10.06*5.40
7	FYS-3011G-HX-XX	10mA	0.30	19.00*10.06*5.40
8	FYS-3011I-JX-XX	10mA	0.30	19.00*10.06*5.40
9	FYS-3012A-BX-XX	10mA	0.30	12.70*7.60*7.00
10	FYS-3013A-BX-XX	10mA	0.30	12.70*7.60*6.10
11	FYS-3014A-BX-XX	10mA	0.30	19.00*7.60*5.40
12	FYS-3015A-BX-XX	10mA	0.30	19.00*1.06*5.40
13	FYS-3015C-DX-XX	10mA	0.30	19.00*1.06*5.40
14	FYS-3211A-BX-XX	10mA	0.32	11.00*7.00*5.00
15	FYS-3212A-BX-XX	10mA	0.32	11.00*7.00*5.00
16	FYS-3611A-BX-XX	10mA	0.36	14.00*7.60*8.50
17	FYS-3612A-BX-XX	10mA	0.36	14.00*7.50*8.50
18	FYS-3612C-DX-XX	10mA	0.36	14.00*7.50*8.50
19	FYS-3911A-BX-XX	10mA	0.39	13.00*10.00*7.00
20	FYS-3911C-DX-XX	10mA	0.39	13.00*10.00*7.00
21	FYS-3912A-BX-XX	10mA	0.39	12.90*9.70*7.00
22	FYS-3912C-DX-XX	10mA	0.39	12.90*9.70*7.00
23	FYS-3913A-BX-XX	10mA	0.39	24.00*10.00*7.00
24	FYS-3914A-BX-XX	10mA	0.39	10.00*9.80*7.00
25	FYS-4011A-BX-XX	10mA	0.40	18.70*9.80*5.10
26	FYS-4011C-DX-XX	10mA	0.40	18.70*9.80*5.10
27	FYS-4011E-FX-XX	10mA	0.40	18.70*9.80*5.10
28	FYS-4012A-BX-XX	10mA	0.40	12.90*9.79*5.08
29	FYS-4013A-BX-XX	10mA	0.40	13.00*9.60*7.00
30	FYS-4311A-BX-XX	10mA	0.43	18.90*12.60*7.80
31	FYS-4312A-BX-XX	10mA	0.43	18.80*11.00*6.50
32	FYS-5011A-BX-XX	10mA	0.50	19.00*12.70*8.00
33	FYS-5011A-BXX-XX	10mA	0.50	19.00*12.70*8.00
34	FYS-5012A-BX-XX	10mA	0.50	19.00*12.70*8.00
35	FYS-5012A-BXX-XX	10mA	0.50	19.00*12.70*8.00
36	FYS-5013A-BX-XX	10mA	0.50	25.00*16.00*9.50
37	FYS-5013C-DX-XX	10mA	0.50	25.00*16.00*9.50
38	FYS-5014A-BX-XX	10mA	0.50	19.00*12.60*10.00



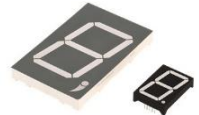
39	FYS-5015A-BX-XX	10mA	0.50	19.00*12.70*8.00
40	FYS-5016A-BX-XX	10mA	0.50	19.00*12.70*8.00
41	FYS-5017A-BX-XX	10mA	0.50	19.00*12.70*8.00
42	FYS-5211A-BX-XX	10mA	0.52	17.50*12.40*7.00
43	FYS-5212A-BX-XX	10mA	0.52	17.50*12.40*7.00
44	FYS-5213A-BX-XX	10mA	0.52	17.50*12.40*7.00
45	FYS-5611A-BX-XX	10mA	0.56	19.00*12.60*8.00
46	FYS-5611A-BXX-XX	10mA	0.56	19.00*12.60*8.00
47	FYS-5611C-DX-XX	10mA	0.56	19.00*12.60*8.00
48	FYS-5611C-DXX-XX	10mA	0.56	19.00*12.60*8.00
49	FYS-5612A-BX-XX	10mA	0.56	19.00*12.60*8.00
50	FYS-5613A-BX-XX	10mA	0.56	17.10*12.40*8.00
51	FYS-5614A-BX-XX	10mA	0.56	19.00*12.20*8.00
52	FYS-5615A-BX-XX	10mA	0.56	17.10*12.55*12.19
53	FYS-5616A-BX-XX	10mA	0.56	17.20*12.50*7.00
54	FYS-5617A-BX-XX	10mA	0.56	17.20*12.50*7.00
55	FYS-6011A-BX-XX	10mA	0.60	25.00*18.0*8.30
56	FYS-6011C-DX-XX	10mA	0.60	25.00*18.00*8.30
57	FYS-8011A-BX-XX	10mA	0.80	22.70*20.00*8.40
58	FYS-8011A-BXX-XX	10mA	0.80	22.70*20.00*8.40
59	FYS-8011C-DX-XX	10mA	0.80	22.70*20.00*8.40
60	FYS-8011E-FX-XX	10mA	0.80	22.70*20.00*8.40
61	FYS-8012A-BX-XX	10mA	0.80	27.70*20.00*10.00
62	FYS-8012A-BXX-XX	10mA	0.80	27.70*20.00*10.00
63	FYS-8012C-DX-XX	10mA	0.80	27.70*20.00*10.00
64	FYS-8013A-BX-XX	10mA	0.80	27.70*20.00*8.50
65	FYS-8014A-BX-XX	10mA	0.80	25.50*18.60*10.50
66	FYS-8014E-FX-XX	10mA	0.80	25.50*18.60*10.50
67	FYS-8015A-BX-XX	10mA	0.80	27.70*16.50*8.40
68	FYS-8016A-BX-XX	10mA	0.80	25.00*18.60*10.50
69	FYS-10011A-BX-XX	10mA	1.00	33.00*22.40*8.50
70	FYS-10011C-DX-XX	10mA	1.00	33.00*22.40*8.50
71	FYS-10012A-BX-XX	10mA	1.00	34.00*24.00*10.50
72	FYS-10012A-BXX-XX	10mA	1.00	34.00*24.00*10.50
73	FYS-10012C-DX-XX	10mA	1.00	34.00*24.00*10.50
74	FYS-10012C-DXX-XX	10mA	1.00	34.00*24.00*10.50
75	FYS-10012E-FXX-XX	10mA	1.00	34.00*24.00*10.50
76	FYS-10013A-BXX-XX	10mA	1.00	33.00*23.00*9.00
77	FYS-10014A-BXX-XX	10mA	1.00	34.00*22.50*8.50
78	FYS-10015A-BXX-XX	10mA	1.00	33.00*24.00*8.50
79	FYS-12011A-BX-XX	10mA	1.20	40.80*28.80*9.00
80	FYS-12011A-BXX-XX	10mA	1.20	40.80*28.80*9.00
81	FYS-12011C-DX-XX	10mA	1.20	40.80*28.80*9.00
82	FYS-12012A-BX-XX	10mA	1.20	38.00*26.50*8.50



83	FYS-15011A-BX-XX	10mA	1.50	44.00*30.60*8.00
84	FYS-15011A-BXX-XX	10mA	1.50	44.00*30.60*8.00
85	FYS-15011C-DX-XX	10mA	1.50	44.00*30.60*8.00
86	FYS-15012A-BX-XX	10mA	1.50	44.00*31.00*8.50
87	FYS-15013A-BX-XX	10mA	1.50	44.00*30.60*10.5
88	FYS-18011A-BX-XX	10mA	1.80	56.00*38.00*11.00
89	FYS-18011A-BXX-XX	10mA	1.80	56.00*38.00*11.00
90	FYS-18011C-DX-XX	10mA	1.80	56.00*38.00*11.00
91	FYS-18011C-DXX-XX	10mA	1.80	56.00*38.00*11.00
92	FYS-18011E-FX-XX	10mA	1.80	56.00*38.00*11.00
93	FYS-18011E-FXX-XX	10mA	1.80	56.00*38.00*11.00
94	FYS-18012A-BX-XX	10mA	1.80	56.00*38.00*11.00
95	FYS-23011A-BX-XX	10mA	2.30	69.70*47.80*12.00
96	FYS-23011A-BXX-XX	10mA	2.30	69.70*47.80*12.00
97	FYS-23011C-DX-XX	10mA	2.30	69.70*47.80*12.00
98	FYS-23011C-DXX-XX	10mA	2.30	69.70*47.80*12.00
99	FYS-23011E-EXX-XX	10mA	2.30	69.70*47.80*12.00
100	FYS-23011E-FX-XX	10mA	2.30	69.70*47.80*12.00
101	FYS-23011G-HX-XX	10mA	2.30	69.70*47.80*12.00
102	FYS-23011I-JX-XX	10mA	2.30	69.70*47.80*12.00
103	FYS-23012A-BX-XX	10mA	2.30	69.70*47.80*12.00
104	FYS-30011A-BX-XX	10mA	3.00	110.00*70.00*13.00
105	FYS-30011A-BXX-XX	10mA	3.00	110.00*70.00*13.00
106	FYS-30012A-BX-XX	10mA	3.00	90.00*62.00*13.80
107	FYS-30012E-FX-XX	10mA	3.00	90.00*62.00*13.80
108	FYS-30012G-HX-XX	10mA	3.00	90.00*62.00*13.80
109	FYS-30013A-BX-XX	10mA	3.00	90.00*62.00*12.50
110	FYS-30014A-BX-XX	10mA	3.00	90.00*62.50*14.00
111	FYS-30014C-DX-XX	10mA	3.00	90.00*62.50*14.00
112	FYS-40011A-BX-XX	10mA	4.00	122.00*90.00*15.00
113	FYS-40011A-BXX-XX	10mA	4.00	122.00*90.00*15.00
114	FYS-40011C-DX-XX	10mA	4.00	122.00*90.00*15.00
115	FYS-40011C-DXX-XX	10mA	4.00	122.00*90.00*15.00
116	FYS-40011E-FX-XX	10mA	4.00	122.00*90.00*15.00
117	FYS-40011G-HX-XX	10mA	4.00	122.00*90.00*15.00
118	FYS-40011G-HXX-XX	10mA	4.00	122.00*90.00*15.00
119	FYS-40011I-JX-XX	10mA	4.00	122.00*90.00*15.00
120	FYS-40011I-JXX-XX	10mA	4.00	122.00*90.00*15.00
121	FYS-40011K-LX-XX	10mA	4.00	122.00*90.00*15.00
122	FYS-50011A-BX-XX	10mA	5.00	179.50*107.50*15.00
123	FYS-50011C-DX-XX	10mA	5.00	179.50*107.50*15.00
124	FYS-50011E-FX-XX	10mA	5.00	140.00*105.00*16.00
125	FYE-500AZX-XX	10mA	5.00	100.00*150.00*14.50
126	FYE-500BZX-XX	10mA	5.00	100.00*150.00*14.50

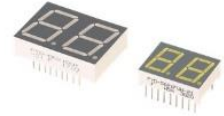


127	FYE-500CZX-XX	10mA	5.00	100.00*150.00*14.50
128	FYE-600AZX-XX	10mA	6.00	110.0*170.00*14.50
129	FYE-700AZX-XX	10mA	7.00	130.00*196.00*15.00
130	FYE-800AZX-XX	10mA	8.00	142.00*250.00*15.30
131	FYE-800BZX-XX	10mA	8.00	142.00*250.00*15.30
132	FYE-800CZX-XX	10mA	8.00	142.00*250.00*15.30
133	FYE-1000AZX-XX	10mA	10.00	180.00*280.00*16.60
134	FYE-1000BZX-XX	10mA	10.00	180.00*280.00*16.60
135	FYE-1200AZX-XX	10mA	12.00	220.00*340.00*20.3
136	FYE-1200AZXX-XX	10mA	12.00	220.00*340.00*20.3
137	FYE-1200BZX-XX	10mA	12.00	220.00*340.00*20.3
138	FYE-1200BZXX-XX	10mA	12.00	220.00*340.00*20.3
139	FYE-1600AZX-XX	10mA	16.00	290.00*455.00*21.3
140	FYE-2000AZX-XX	10mA	20.00	350.00*550.00*23.00

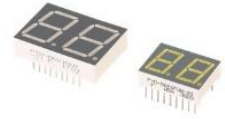


## Double Digit Numeric Displays

NO	PART NUMBER	IF	CHARACTER HEIGHT (in)	DIMENSIONS (mm)
1	FYD-2821A-BX-XX	10mA	0.28	15.00*10.00*6.00
2	FYD-3021A-BX-XX	10mA	0.30	15.00*15.00*7.20
3	FYD-3021C-DX-XX	10mA	0.30	15.00*15.00*7.20
4	FYD-3021E-FX-XX	10mA	0.30	15.00*15.00*7.20
5	FYD-3021G-HX-XX	10mA	0.30	15.00*15.00*7.20
6	FYD-3022A-BX-XX	10mA	0.30	15.50*15.00*4.00
7	FYD-3621A-BX-XX	10mA	0.36	15.00*14.00*7.20
8	FYD-3921A-BX-XX	10mA	0.39	19.90*12.80*6.20
9	FYD-3921C-DX-XX	10mA	0.39	19.90*12.80*6.20
10	FYD-4021A-BX-XX	10mA	0.40	20.10*16.00*7.00
11	FYD-4021C-DX-XX	10mA	0.40	20.10*16.00*7.00
12	FYD-4021E-FX-XX	10mA	0.40	20.10*16.00*7.00
13	FYD-4021I-JX-XX	10mA	0.40	20.10*16.00*7.00
14	FYD-4021K-LX-XX	10mA	0.40	20.10*16.00*7.00
15	FYD-4321A-BX-XX	10mA	0.43	23.80*18.80*6.50
16	FYD-4321C-DX-XX	10mA	0.43	23.80*18.80*6.50
17	FYD-5021A-BX-XX	10mA	0.50	25.00*19.10*8.00
18	FYD-5021C-DX-XX	10mA	0.50	25.00*19.10*8.00
19	FYD-5021E-FX-XX	10mA	0.50	25.00*19.10*8.00
20	FYD-5021G-HX-XX	10mA	0.50	25.00*19.10*8.00
21	FYD-5021I-JX-XX	10mA	0.50	25.00*19.10*8.00
22	FYD-5021K-LX-XX	10mA	0.50	25.00*19.10*8.00
23	FYD-5021M-NX-XX	10mA	0.50	25.00*19.10*8.00
24	FYD-5022A-BX-XX	10mA	0.50	25.00*19.00*10.50
25	FYD-5221A-BX-XX	10mA	0.50	25.00*17.50*7.00
26	FYD-5421A-BX-XX	10mA	0.54	25.10*21.15*7.70



27	FYD-5421C-DX-XX	10mA	0.54	25.10*21.15*7.70
28	FYD-5621A-BX-XX	10mA	0.56	25.00*19.00*8.00
29	FYD-5621C-DX-XX	10mA	0.56	25.00*19.00*8.00
30	FYD-5621E-FX-XX	10mA	0.56	25.00*19.00*8.00
31	FYD-5621I-JX-XX	10mA	0.56	25.00*19.00*8.00
32	FYD-5621K-LX-XX	10mA	0.56	25.00*19.00*8.00
33	FYD-5621O-PX-XX	10mA	0.56	25.00*19.00*9.00
34	FYD-5622A-BX-XX	10mA	0.56	25.00*19.00*10.00
35	FYD-5622C-DX-XX	10mA	0.56	25.00*19.00*11.00
36	FYD-5622E-FX-XX	10mA	0.56	25.00*19.00*12.00
37	FYD-5623A-BX-XX	10mA	0.56	25.00*19.00*10.40
38	FYD-5623C-DX-XX	10mA	0.56	25.00*19.00*10.40
39	FYD-5623E-FX-XX	10mA	0.56	25.00*19.00*10.40
40	FYD-8021A-BX-XX	10mA	0.80	35.80*25.80*10.00
41	FYD-8021C-DX-XX	10mA	0.80	35.80*25.80*10.00
42	FYD-8021E-FX-XX	10mA	0.80	35.80*25.80*10.00



### Three Digit Numeric Displays

NO	PART NUMBER	IF	CHARACTER HEIGHT (in)	DIMENSIONS (mm)
1	FYT-2531A-BX-XX	10mA	0.25	15.03*8.00*4.00
2	FYT-2831A-BX-XX	10mA	0.25	24.00*10.00*6.00
3	FYT-3031A-BX-XX	10mA	0.30	22.00*14.00*7.20
4	FYT-3131A-BX-XX	10mA	0.31	23.50*11.00*5.00
5	FYT-3132A-BX-XX	10mA	0.31	23.50*11.00*5.00
6	FYT-3631A-BX-XX	10mA	0.36	22.50*14.00*7.20
7	FYT-3931A-BX-XX	10mA	0.39	20.10*16.00*7.00
8	FYT-4031A-BX-XX	10mA	0.40	30.10*16.00*7.00
9	FYT-4031C-DX-XX	10mA	0.40	30.10*16.00*7.00
10	FYT-4031E-FX-XX	10mA	0.40	30.10*16.00*7.00
11	FYT-4031G-HX-XX	10mA	0.40	30.10*16.00*7.00
12	FYT-4031I-JX-XX	10mA	0.40	30.10*16.00*7.00
13	FYT-4031K-LX-XX	10mA	0.40	30.10*16.00*7.00
14	FYT-5031A-BX-XX	10mA	0.50	25.00*19.00*8.00
15	FYT-5031C-DX-XX	10mA	0.50	25.00*19.00*8.00
16	FYT-5231A-BX-XX	10mA	0.52	37.80*17.50*7.00
17	FYT-5231C-DX-XX	10mA	0.52	37.80*17.50*7.00
18	FYT-5231E-FX-XX	10mA	0.52	37.80*17.50*7.00
19	FYT-5231G-HX-XX	10mA	0.52	37.80*17.50*7.00
20	FYT-5631A-BX-XX	10mA	0.56	37.60*19.00*8.00
21	FYT-5631C-DX-XX	10mA	0.56	37.60*19.00*8.00
22	FYT-5631E-FX-XX	10mA	0.56	37.60*19.00*8.00
23	FYT-5631G-HX-XX	10mA	0.56	37.60*19.00*8.00
24	FYT-5631I-JX-XX	10mA	0.56	37.60*19.00*8.00

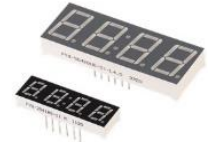


25	FYT-5631K-LX-XX	10mA	0.56	37.60*19.00*8.00
26	FYT-5631M-NX-XX	10mA	0.56	37.60*19.00*8.00
27	FYT-5633A-BX-XX	10mA	0.56	37.60*19.00*8.00
28	FYT-5633C-DX-XX	10mA	0.56	37.60*19.00*8.00
29	FYT-8031A-BX-XX	10mA	0.80	59.20*27.50*8.30
30	FYT-8032A-BX-XX	10mA	0.80	59.20*27.50*8.30

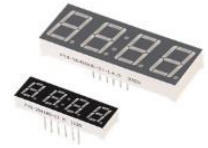


## Four Digit Numeric Displays

NO	PART NUMBER		IF	CHARACTER HEIGHT (in)	DIMENSIONS (mm)
1	FYQ-2541A-BX-XX		10mA	0.25	36.00*11.00*5.10
2	FYQ-2541C-DX-XX		10mA	0.25	36.00*11.00*5.10
3	FYQ-2541E-FX-XX		10mA	0.25	36.00*11.00*5.10
4	FYQ-2541G-HX-XX		10mA	0.25	36.00*11.00*5.10
5	FYQ-2841A-BX-XX		10mA	0.28	32.10*7.00*5.80
6	FYQ-2841C-DX-XX		10mA	0.28	32.10*7.00*5.80
7	FYQ-2841G-HX-XX		10mA	0.28	32.10*7.00*5.80
8	FYQ-2841K-LX-XX		10mA	0.28	32.10*7.00*5.80
9	FYQ-2841M-NX-XX		10mA	0.28	32.10*7.00*5.80
10	FYQ-2841O-PX-XX		10mA	0.28	32.10*7.00*5.80
11	FYQ-3041A-BX-XX		10mA	0.30	30.40*13.20*7.00
12	FYQ-3041C-DX-XX		10mA	0.30	30.40*13.20*7.00
13	FYQ-3041E-FX-XX		10mA	0.30	30.40*13.20*7.00
14	FYQ-3041G-HX-XX		10mA	0.30	30.40*13.20*7.00
15	FYQ-3041I-JX-XX		10mA	0.30	30.40*13.20*7.00
16	FYQ-3042A-BX-XX		10mA	0.30	30.40*13.20*7.00
17	FYQ-3061A-BX-XX		10mA	0.30	45.60*12.70*7.00
18	FYQ-3141A-BX-XX		10mA	0.31	28.00*11.00*5.00
19	FYQ-3341A-BX-XX		10mA	0.33	30.00*14.00*7.00
20	FYQ-3342A-BX-XX		10mA	0.33	30.00*14.00*7.00
21	FYQ-3641A-BX-XX		10mA	0.36	30.00*14.00*7.20
22	FYQ-3641C-DX-XX		10mA	0.36	30.00*14.00*7.20
23	FYQ-3641E-FX-XX		10mA	0.36	30.00*14.00*7.20
24	FYQ-3641G-HX-XX		10mA	0.36	30.00*14.00*7.20
25	FYQ-3941A-BX-XX		10mA	0.39	40.00*14.00*7.00
26	FYQ-3941C-DX-XX		10mA	0.39	40.00*14.00*7.00
27	FYQ-3941E-FX-XX		10mA	0.39	40.00*14.00*7.00
28	FYQ-3941G-HX-XX		10mA	0.39	40.00*14.00*7.00
29	FYQ-3941I-JX-XX		10mA	0.39	40.00*14.00*7.00
30	FYQ-3941K-LX-XX		10mA	0.39	40.00*14.00*7.00
31	FYQ-3941M-NX-XX		10mA	0.39	40.00*14.00*7.00
32	FYQ-3942A-BX-XX		10mA	0.39	40.18*12.8*7.00
33	FYQ-3942C-DX-XX		10mA	0.39	40.18*12.8*7.00
34	FYQ-3942E-FX-XX		10mA	0.39	40.18*12.8*7.00



35	FYQ-3943A-BX-XX	10mA	0.39	39.00*14.00*7.00
36	FYQ-3944A-BX-XX	10mA	0.39	40.00*12.60*7.00
37	FYQ-4041A-BX-XX	10mA	0.40	40.50*16.00*7.00
38	FYQ-4041C-DX-XX	10mA	0.40	40.50*16.00*7.00
39	FYQ-4041E-FX-XX	10mA	0.40	40.50*16.00*7.00
40	FYQ-4041G-HX-XX	10mA	0.40	40.50*16.00*7.00
41	FYQ-4041I-JX-XX	10mA	0.40	40.50*16.00*7.00
42	FYQ-4041K-LX-XX	10mA	0.40	40.50*16.00*7.00
43	FYQ-4042A-BX-XX	10mA	0.40	40.50*16.00*7.00
44	FYQ-4042C-DX-XX	10mA	0.40	40.50*16.00*7.00
45	FYQ-5041A-BX-XX	10mA	0.50	50.00*19.00*8.00
46	FYQ-5241A-BX-XX	10mA	0.52	50.80*17.50*7.00
47	FYQ-5241C-DX-XX	10mA	0.52	50.80*17.50*7.00
48	FYQ-5241E-FX-XX	10mA	0.52	50.80*17.50*7.00
49	FYQ-5241G-HX-XX	10mA	0.52	50.80*17.50*7.00
50	FYQ-5641A-BX-XX	10mA	0.56	50.30*19.00*8.00
51	FYQ-5641C-DX-XX	10mA	0.56	50.30*19.00*8.00
52	FYQ-5641E-FX-XX	10mA	0.56	50.30*19.00*8.00
53	FYQ-5642A-BX-XX	10mA	0.56	50.30*19.00*8.00
54	FYQ-5642C-DX-XX	10mA	0.56	50.30*19.00*8.00
55	FYQ-5643A-BX-XX	10mA	0.56	50.30*19.00*8.00
56	FYQ-5643C-DX-XX	10mA	0.56	50.30*19.00*8.00
57	FYQ-8041A-BX-XX	10mA	0.80	71.80*25.3*8.40
58	FYQ-8041C-DX-XX	10mA	0.80	71.80*25.3*8.40
59	FYQ-12041A-BX-XX	10mA	1.20	120.00*40.80*9.50



For further information, data-sheets, and samples you are welcome to contact us

## General Technical Information

### Absolute Maximum Ratings

Parameter	Symbol	Test Condition	Min	Max	Unit
Reverse Voltage	VR	IR=30	5	—	V
Forward Current	IF	—	—	30	mA
Power Dissipation	Pd	—	—	100	mW
Pulse Current	Ipeak	Duty=0.1mS,1KHz	—	150	mA
Operating Temperature	Topr	—	-40	+85	°C
Storage Temperature	Tstr	—	-40	+85	°C

### Electrical-Optical Characteristics

Emitting Color		Dice Material	Peak Wave Length(λP)	Spectral Line halfwidth (Δλ1/2)	Typ	Max	Luminous Intensity (Iv) Unit:mcd
<b>Standard brightness</b>							
S	Hi Red	AlGaInP	660nm	20nm	2,0	2,5	10~20
D	Super Red	AlGaAs/DH	650nm	20nm	2,0	2,5	15~30
E	Orange	GaAsP	625nm	35nm	2,0	2,5	10~21
A	Amber	GaAsP	610nm	35nm	2,0	2,5	10~20

Y	Yellow	GaAsP	590nm	35nm	2,0	2,5	10~20
G	Yellow Green	AlGaInP	570nm	10nm	2,0	2,5	10~20
B	Blue	InGaN	460nm	60nm	3,0	3,8	9~20(mw)
B	Blue	InGaN	470nm	60nm	3,0	3,8	9~20(mw)
W	White	InGaN/GaN	X=0.29,Y=0.30	CCT:9500K	3,0	3,8	60~120~180
<b>Ultra brightness</b>							
UHR	Ultra Hi Red	AlGaInP	640nm	20nm	2,0	2,5	20~50
UR	Ultra Red	AlGaInP	635nm	20nm	2,0	2,5	40~70
UE	Ultra Orange	AlGaInP	625nm	20nm	2,0	2,5	40~85
UA	Ultra Amber	AlGaInP	610nm	20nm	2,0	2,5	30~105
UY	Ultra Yellow	AlGaInP	590nm	20nm	2,0	2,5	30~135
UG	Ultra Yellow Green	AlGaInP	570nm	30nm	2,0	2,5	20~60
PG	Pure Green	InGaN	520nm	36nm	3,0	3,8	350~450
UB	Ultra Blue	InGaN/GaN	460nm	30nm	3,0	3,8	120~180
UB	Ultra Blue	InGaN/GaN	470nm	30nm	3,0	3,8	120~180
UW	Ultra White	InGaN/GaN	X=0.29,Y=0.30	CCT:9500K	3,0	3,8	280~600
Segment-to-Segment Luminous Intensity ratio(lv-M)					1.5:1		

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**一、LED DISPLAY**

FY S - 180 1 1 A UHR - 1 1 - XXX - XXXXXX  
 1 2 3 4 5 6 7 8 9 10 11

1.Brand: FORYARD

2.Mode:

S:single digit D:Double digits T:Three digits Q:Four digits and Over  
 E:Segment V:Module Type L:(S、D、T、Q)-SMD Type

3.FYS、FYD、FYT、FYQ、FYE、FYL(S、D、T、Q)-Digit Character Height 30-0.3" 180-1.8" 400-4.0"

4.FYS、FYD、FYT、FYQ、FYE、FYL(S、D、T、Q)-Digit Number:1-Single Digit 2-Double Digits ----

5.FYS、FYD、FYT、FYQ、FYE、FYL(S、D、T、Q)-Model Number:1-Mode 1、2-Mode 2 ----

6.Drive Mode: A、C、E-----Common Cathode B、D、F-----Common Anode Z-----Common use

7.Color Code:

CODE	COLOR	λ p	MATERIAL	CODE	COLOR	λ p	MATERIAL
H	Red	700	GaP	UHR	Ultra Hi Red	640	AlGaInP
S	Hi Red	660	AlGaInP	UR	Ultra Red	635	AlGaInP
D	Super Red	650	AlGaAs,DH	UE	Ultra Orange	625	AlGaInP
E	Orange	625	GaAsP	UA	Ultra Amber	610	AlGaInP
A	Amber	610	GaAsP	UY	Ultra Yellow	590	AlGaInP
Y	Yellow	590	GaAsP	UG	Ultra Green	570	AlGaInP
G	Yellow Green	570	AlGaInP	PG	Ultra Pure Green	520	InGaN
B	Blue	460/470	InGaN	BG	Ultra Bluish Green	505	InGaN
W	White	/	InGaN	UB	Ultra Blue	460/470	InGaN/GaN
				UW	Ultra White	/	InGaN/GaN

8.Reflector Surface Color:

0:White Surface 1:Black Surface 2:Gray Surface 3:Red Surface 4:Blue Surface ----

9.Segment Epoxy Color:

0:Water Clear 1:White Diffused 2:Red Diffused 3:Green Diffused  
 4:Yellow Diffused 5:YAG Diffused 6:Blue Diffused

10.Special Code:

LXX:Pin Length B:Both Side Decimal Point N:No Decimal Point DW:Double Wire  
 M: Surface Patch BS:Black Sides Z:Pin Bent G:Hi Temperature Resistant Material  
 E:Isopropyl Alcohol Resistant Material (Regular products omitted)

11.Company Bom Code