

SELECTION CODE FOR STANDARD LEDS

Group	Light intensity in mcd(10mA)		Group	Light intensity in mcd(10mA)	
	min.	max.		min.	max.
F	0.1	0.25	R	12	23
G	0.2	0.4	S	18	35
H	0.3	0.6	T	28	55
I	0.4	1	U	40	90
K	0.7	1.5	V	70	130
L	1	3	W	110	200
M	1.8	5	X	170	280
N	3	7	Y	230	350
P	5	12	Z	300	500
Q	8	17			

SELECTION CODE FOR DISPLAYS

Group	Light intensity in ucd(10mA)		Group	Light intensity in ucd(10mA)	
	min.	max.		min.	max.
C	60	160	P	12000	24000
D	120	280	Q	18000	36000
E	200	410	R	26000	60000
F	300	640	S	44000	101000
G	480	1040	T	75000	173000
H	800	1600	U	128000	293000
I	1200	2500	V	217000	498000
K	1900	4100	W	368000	846000
L	3000	6400	X	626000	1438000
M	4700	10500	Y	1063000	2445000
N	8000	16000	Z	1807000	4156000

SELECTION CODE FOR NPN PHOTOTRANSISTORS

Group	Photocurrent(mA)		Group	Photocurrent(mA)	
	min.	max.		min.	max.
F	0.1	0.25	L	1	3
G	0.2	0.4	M	1.8	5
H	0.3	0.6	N	3	7
I	0.4	1	P	5	12
K	0.7	1.5			

SELECTION CODE FOR SUPER BRIGHT LEDS

Group	Light intensity in mcd(20mA)		Group	Light intensity in mcd(20mA)	
	min.	max.		min.	max.
A	1.6	3.5	ZA	2800	3800
B	2.6	5.5	ZB	3300	4500
C	4	10	ZC	3800	5500
D	7	15	ZD	4700	6500
E	10	24	ZE	5700	7500
F	18	44	ZF	6700	8500
G	36	60	ZG	7500	10000
H	50	90	ZH	8000	12000
M	70	130	ZM	10000	16000
N	110	220	ZN	12000	20000
P	180	320	ZP	16000	24000
Q	280	420	ZQ	20000	32000
R	380	550	ZR	24000	40000
S	480	750	ZS	32000	50000
T	650	1100	ZT	40000	60000
U	900	1500	ZU	50000	80000
V	1200	1800	ZV	60000	100000
W	1500	2100	ZW	80000	120000
X	1800	2500	ZX	100000	160000
Y	2200	3000	ZY	120000	200000
Z	2500	3300	ZZ	160000	240000

SELECTION CODE FOR INFRARED EMITTING DIODES

Group	Radiant intensity in mW/sr(20mA)		Group	Radiant intensity in mW/sr(20mA)	
	min.	max.		min.	max.
AK	0.5	2	D	7	15
AL	0.8	3.2	E	10	24
A	1.6	3.5	F	18	44
B	2.6	5.5	G	36	60
C	4	10	H	50	90

COLOR CODE FOR BLUE LEDS + DISPLAYS						COLOR CODE FOR LEDS + DISPLAYS				
Group	Dom. WaveLength (nm)		Group	Dom. WaveLength (nm)		Group	Dom. WaveLength (nm)			
	min.	max.		min.	max.		Green		Yellow	
						min.	max.	min.	max.	
1	443	452	3A	469	475	0	556	559		
2	448	457	3B	471	477	1	559	561	581	584
3	453	462	4A	473	479	2	561	563	584	586
1A	458	465	4B	475	481	3	563	565	586	588
1B	461	468	5A	477	483	4	565	567	588	590
2A	464	471	5B	479	485	5	567	569	590	592
2B	467	473	5C	481	488	6	569	571	592	594
						7	571	573	594	597
						8	573	575	597	600

SOLDERING INSTRUCTIONS						
Types	Dip and wave soldering			Iron soldering (with 1.5mm iron tip)		
	Temperature of the soldering bath	Maximum soldering time	Distance from solder joint to package	Temperature of soldering iron	Maximum soldering time	Distance from solder joint to package
LEDS	<=260°C	3s	>=2mm	<=350°C	3s	>2mm
	<=260°C	5s	>=5mm	<=350°C	5s	>5mm
SMDS	/	/	/	<=230°C	10s	/
DISPLAYS	<=260°C	3s	>2mm	<=350°C	3s	>2mm
PHOTOCOUPLER	<=260°C	3s	>2mm	<=310°C	3s	/
	/	/	/	<=260°C	10s	/