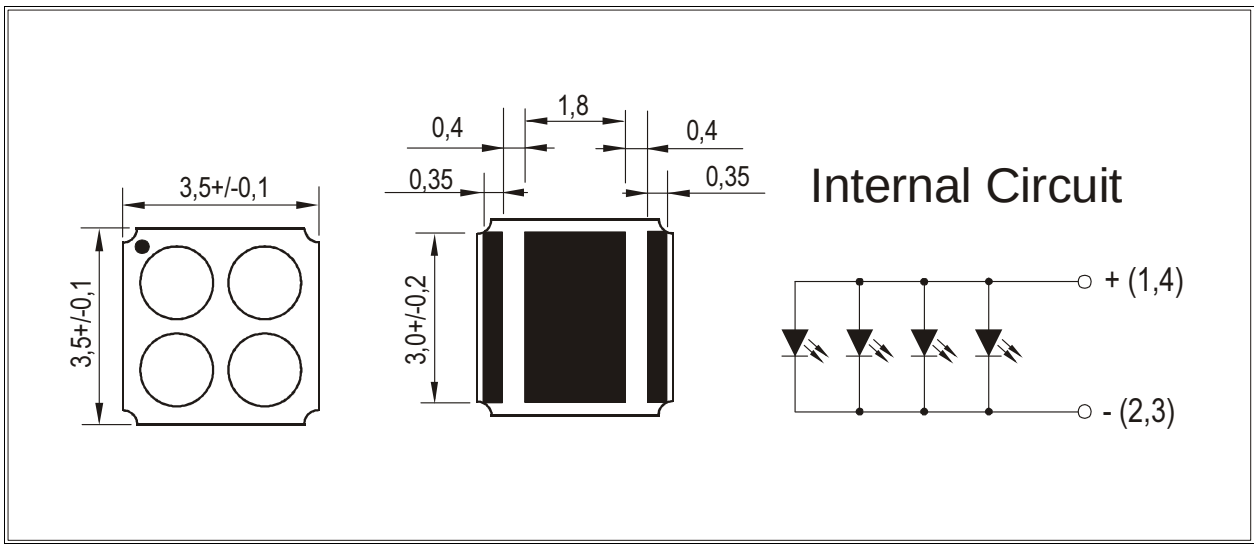
Ceramic SMD LED WHITE FQA68354BUS



Electrical and optical characteristics and absolute maximum ratings (Thermal pad Temperature=25℃)

Symbol	Parameter	MIN	Typ	MAX	Unit	Test conditions
I_F	DC Forward current			100	mA	
I_{PEAK}	Peak Forward current			200	mA	Tp< 100µsec. ; T=1:10 ; Rtherm < 100 K/W
V_F	Forward Voltage	3,0	3,4	3,8	V	IF = 100mA
V_R	Reverse Voltage			5	V	Irev = 10µA
Φ_v	Luminous Flux ** BINA	14		17	lm	IF = 100mA CCT: WSW; WTW
Φ_v	Luminous Flux ** BINB	17		20	lm	IF = 100mA CCT: WSW; WTW; CWS; NSW
Φ_v	Luminous Flux ** BINC	20		23	lm	IF = 100mA CCT: WSW; WTW; CWS; NSW
Φ_v	Luminous Flux ** BIND	23		25	lm	IF = 100mA CCT: WSW; WTW; CWS; NSW
Φ_v	Luminous Flux ** BINE	25		28	lm	IF = 100mA CCT: WSW; WTW; CWS; NSW
Φ_v	Luminous Flux ** BINF	28		31	lm	IF = 100mA CCT: CWS; NSW
Φ_E	Total Power Output		TBD		mW	IF = 100mA
I_e	Radiant Flux	7,5		10	cd	IF = 100mA
CCT	Color Temperature	2600		3000	K	see CIE WTW Rank table for Binning
CCT	Color Temperature	3000		3600	K	see CIE WSW Rank table for Binning
CCT	Color Temperature	3600		4500	K	see CIE NSW Rank table for Binning
CCT	Color Temperature	5000		6100	K	see CIE CWS Rank table for Binning
$2\Phi_{0,5}$	Emission Angle		110		deg.	Φ E = 50%
TK_{VF}	Temp.Coeff. of Forward Voltage		- 2		mV/K	*
TK_F	Temp.Coeff. of Radiant Power		- 0,35		%/K	*
$T_{Operating}$	Operating Temperature	- 25		85	℃	
$T_{Storage}$	Storage Temperature	- 25		85	℃	
$T_{Soldering}$	Soldering Temperature			240	℃	REFLOW SOLDER. 5mm from case @5 sec.
$T_{Soldering}$	Soldering Temperature			360	℃	IRON SOLDERING (Hand)
$\Theta_{j\text{-}PIN}$	Thermal Resistance		6		K/W	
P_{tot}	Total Power Dissipation			380	mW	derate above 45℃ 3,5mW/K

* values only for information

** Measurement tolerance of the luminous flux : +/- 10%

Order Informations : FQA68354BUS TApe &Reel (1500 pcs./reel)

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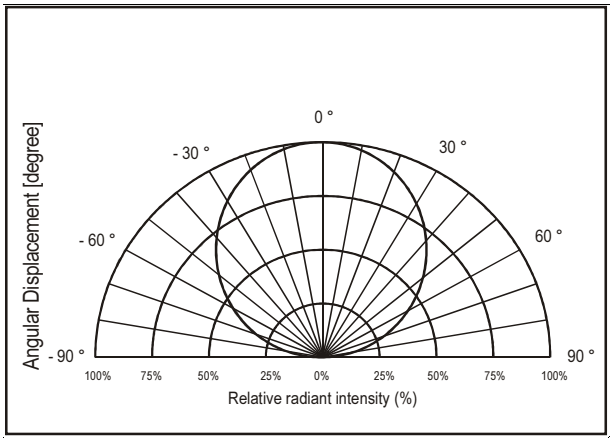

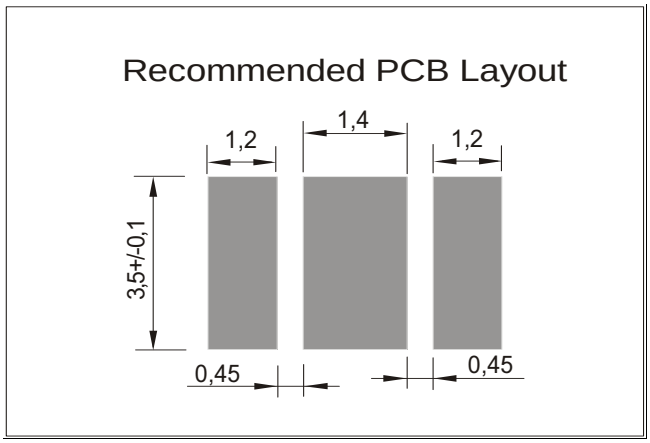

Type CWS 5500K

	X1	Y1	X2	Y2	X3	Y3	X4	Y4
CWSA	0,3176	0,3414	0,3311	0,3534	0,3316	0,3367	0,3194	0,3256
CWSB	0,3311	0,3534	0,3464	0,3663	0,3448	0,3478	0,3316	0,3367
CWSC	0,3194	0,3256	0,3316	0,3367	0,3319	0,3191	0,3212	0,3092
CWSD	0,3316	0,3367	0,3448	0,3478	0,3430	0,3285	0,3319	0,3191

Type NSW 4200K

NSWA	0,4030	0,4100	0,4173	0,4163	0,4091	0,3931	0,3965	0,3871
NSWB	0,4173	0,4163	0,4315	0,4226	0,4216	0,3991	0,4091	0,3931
NSWC	0,4315	0,4226	0,4458	0,4289	0,4341	0,4051	0,4216	0,3991
NSWD	0,3965	0,3871	0,4091	0,3931	0,4009	0,3698	0,3900	0,3640
NSWE	0,4091	0,3931	0,4216	0,3991	0,4117	0,3755	0,4009	0,3698
NSWF	0,4216	0,3991	0,4341	0,4051	0,4225	0,3813	0,4117	0,3755

Type WSW 3300K

WSWA	0,4030	0,4100	0,4173	0,4163	0,4091	0,3931	0,3965	0,3871
WSWB	0,4173	0,4163	0,4315	0,4226	0,4216	0,3991	0,4091	0,3931
WSWC	0,4315	0,4226	0,4458	0,4289	0,4341	0,4051	0,4216	0,3991
WSWD	0,3965	0,3871	0,4091	0,3931	0,4009	0,3698	0,3900	0,3640
WSWE	0,4091	0,3931	0,4216	0,3991	0,4117	0,3755	0,4009	0,3698
WSWF	0,4216	0,3991	0,4341	0,4051	0,4225	0,3813	0,4117	0,3755

Type WTW 2700K

WTWA	0,4307	0,3980	0,4458	0,4049	0,4527	0,4190	0,4380	0,4130
WTWB	0,4458	0,4049	0,4607	0,4117	0,4674	0,4254	0,4527	0,4190
WTWC	0,4607	0,4117	0,4747	0,4180	0,4820	0,4320	0,4674	0,4254
WTWD	0,4240	0,3843	0,4391	0,3912	0,4458	0,4049	0,4307	0,3980
WTWE	0,4391	0,3912	0,4540	0,3979	0,4607	0,4117	0,4458	0,4049
WTWF	0,4540	0,3979	0,4673	0,4040	0,4747	0,4180	0,4607	0,4117
WTWG	0,4170	0,3700	0,4323	0,3771	0,4391	0,3912	0,4240	0,3843
WTWH	0,4323	0,3771	0,4472	0,3841	0,4540	0,3979	0,4391	0,3912
WTWI	0,4472	0,3841	0,4600	0,3900	0,4673	0,4040	0,4540	0,3979

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