

DOWA UV LEDs Quick Reference

DoUVLEDs DOWA SUPERB UV LED SOLUTIONS

13-Oct-17

Series	■ TO-Stem Solutions							■ SMD and Other Module Solutions					∠λ [nm]	V _R [V] (I _R =10μA)	I _R [μA] (V _R =5V)	tr [ns] ****	tf [ns] ****	
	φ9			φ5				Surface-Mount-Device				Other Module						
Product ID	xFV	T-10031	L-1F131	L-1H331	L-1F111	L-1H321	L-1H411	L-1H211	K-2F001	HU-0F001	XU-0F001	L(M)U-0F001	F-1X009					
Package Type (Appellation)*		TO5	TO5	TO5	TO18	TO46S	TO18	TO18	3020	3535	3535	3535	COB					
Cover Window		-	Flat	HEMI	Flat	HEMI	HEMI	HEMI	Flat	Flat	Flat	Flat	Flat					
Remarks					Type I	Type I	Type II											
Number of Leads [pcs]		2	2	2	2	2	2	2	2	2	2	2	2					
Viewing Angle (Half Max.) [deg.]		144	114	6	113	6	40	24	115	120	120	120	130					
Relative Radiant Intensity		1.0	1.2	95	0.9	83	7.1	17	1	-	-	-	10					
Number of chips moun [pcs]		1	1	1	1	1	1	1	1	1	1	1	9					
Radiant Flux P _o [mW] (T _a =25°C)																		
	I _F [mA]	20	20	20	20	20	20	20	20	100	350	600	60					
λ _p **	265 ±5 [nm]	1.5	1.0	0.5	0.7	0.5	0.7	0.7	0.9	5.0(TBD)	-	***16.0(TBD)	9.5	13	>4	<50	-	-
	V _F [V]	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	5.2(TBD)	-	(***5.8(TBD))	26.0					
	280 ±5 [nm]	2.2	1.5	0.9	1.3	1.0	1.1	1.3	1.3	11.0	25.0	45.0	11.9	12	>2	<1	-	-
	V _F [V]	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	5.2	5.4	5.8	20.0					
	310 ±5 [nm]	1.6	0.8	0.4	0.7	0.4	0.6	0.6	0.8	13.0	36.0	60.0	6.2	15	>10	<1	16	8
	V _F [V]	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.5	5.3	5.7	18.5					
	325 ±5 [nm]	2.0	1.2	0.7	1.1	0.7	0.9	1.1	1.2	10.0	30.0	56.0(TBD)	11.7	11	>10	<1	20	9
	V _F [V]	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.1	5.5(TBD)	13.0					
340 ±5 [nm]	2.0	1.3	0.8	1.1	0.8	1.1	1.1	1.2	12.0	30.0	60.0(TBD)	11.7	9	>10	<1	12	8	
V _F [V]	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.2(TBD)	12.0					

*TO-5:JEDEC TO-39, TO-18:JEDEC TO-18, TO-46S:JEDEC TO-46

***MU-0F001:I_F=350mA

**** f=100kHz, duty=1%, I_{FP}=200mA

** λ_p can be tweakable on request from customers.



T-10031

L-1F131

L-1H331

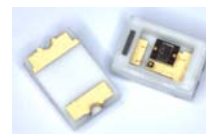


L-1F111

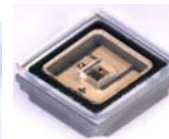
L-1H321

L-1H411

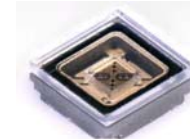
L-1H211



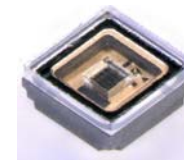
K-2F001



HU-0F001



XU-0F001



L(M)U-0F001



F-1X009