

unimec™ LEDs

Part Nos.	16920/16921			16922			16923			16924			
Colour (G= Green, Y= Yellow, R= Red)	G	Y	R	G	Y	R	G	Y	R	G	Y	R	
Colour Codes	02	04	08	02	04	08	20	40	80	24	45	89	
Absolute Maximum Ratings		(Ta=25°C)											
Power	mW	100	100	100	135	135	135	70	60	60	60	130	80
Current forward	mA	30	30	30	30	30	30	20	20	20	25	40	30
Forward peak current	mA	50	50	50	90	90	90	60**	60**	60**	N/A	500	1000
Voltage reverse	V	5	5	5	5	5	5	3	3	3	5	12	12
Operating temperature	°C	-25 - +100			-55 - +100			-25 - +85			-40 - +85 -55 - +100		
Storage temperature	°C	-25 - +100			-55 - +100			-30 - +100			-40 - +100 -55 - +100		
Soldering temperature	°C	+245 for max. 3 sec.			+300 for max. 3 sec.			+260 for max. 5 sec.			+260 for max. 5 sec.		
Electrical-Optical Characteristics		(Ta=25°C)											
Voltage Forward	Typ. V	2.0	2.0	2.0	2.1	2.2	2.3	2.1	2.1	2.0	2.0*	2.3***	2.0***
	Max. V	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.4*	2.5***	2.3***
Current reverse	µA	100	100	100	100	100	100	10	10	10	10	10	10
Wave length	nm	560	590	660	565	585	635	563	585	650	573	587	633
Spread	∅nm	10	10	10	10	10	10	40	40	40	20	45	16
Spread angle	degree	20	20	20	45	45	45	45	45	45	100	90	85
Luminous Intensity	Min. mcd	1	1	0.8	1.5	2.5	2.5	9.0	5.6	5.6	10****	71****	180****
	Typ. mcd	2	3	1.6	2.5	3.0	5.0	25	16	16	20****	112****	355****
Orientation	The longer pin is the anode, the shorter is the cathode.												

*If = 20mA, **Pulse width 1ms Duty cycle 1:5, ***If = 50mA, ****Luminous Flux mlm

Specifications are subject to change without notice.

For updates of products and/or changes of specifications please see www.mec.dk