


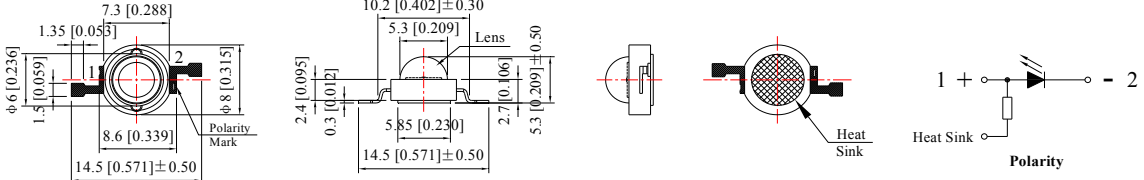
INDEX

Lighting LED


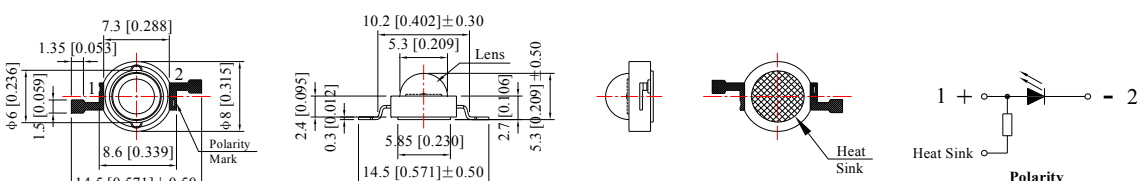
High Power LED.....	P1-2
Mid Power LED.....	P2-3
Mid/High Power LED (Color).....	P4-5
COB LED.....	P6

Part Number	Chip Material	Emitting Color	λ_p (nm) / x	λ_d (nm) / y	Lens Color	VF (V)		ΦV (lm)			Viewing Angle
						Typ.	Max.	IF=mA	Min.	Typ.	2 θ 1/2

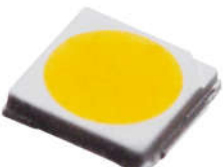
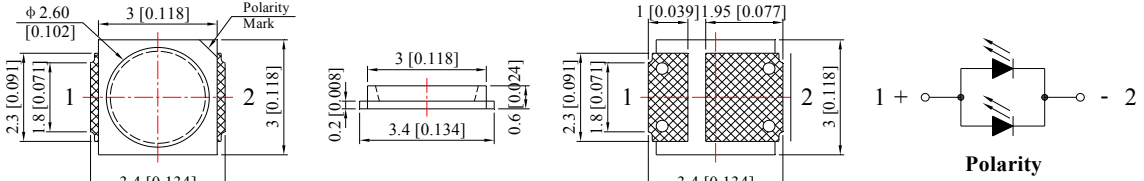
1W High Power LED

												
	HP60MWG	InGaN	Cool White	x=0.31	y=0.32	Yellow Diffused	3.40	3.80	350	80	120	135
	HP60MW5G	InGaN	Neutral White	x=0.35	y=0.36		3.40	3.80		80	110	
	HP60MW6G	InGaN	Warm White	x=0.43	y=0.40		3.40	3.80		80	110	


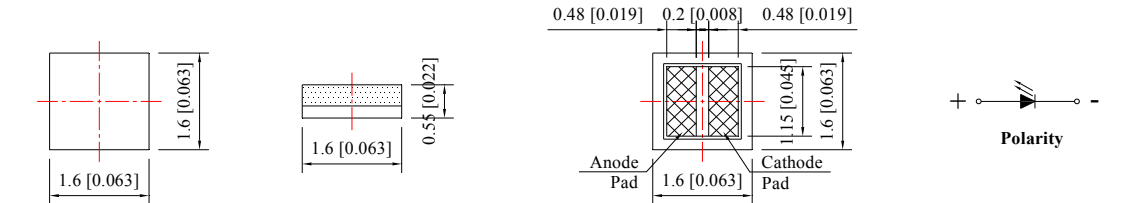
3W High Power LED

												
	HP70MWJ	InGaN	Cool White	x=0.31	y=0.32	Yellow Diffused	3.40	3.80	700	180	210	135
	HP70MW5J	InGaN	Neutral White	x=0.35	y=0.36		3.40	3.80		180	210	
	HP70MW6J	InGaN	Warm White	x=0.43	y=0.40		3.40	3.80		180	210	

EMC Top View 1W High Power LED

												
	R3030EW-W2H-Q100-RA80	InGaN	Cool White	x=0.31	y=0.32	Yellow Diffused	3.20	3.80	350	100	120	120
	R3030EW-W5H-Q100-RA80	InGaN	Neutral White	x=0.35	y=0.36		3.20	3.80		100	120	
	R3030EW-W6H-Q100-RA80	InGaN	Warm White	x=0.43	y=0.40		3.20	3.80		100	120	


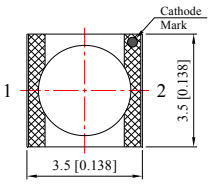
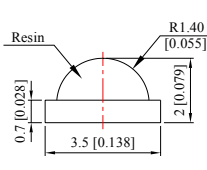
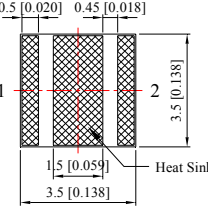
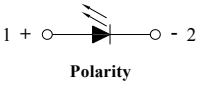
1, 3W High Power Mini LED

											
	C1616W-W2H-Q160	InGaN	Cool White	x=0.31	y=0.33	Yellow Diffused	3.20	3.80	350	100	125
								700	160	220	


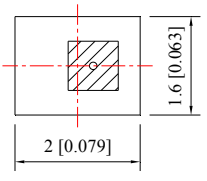
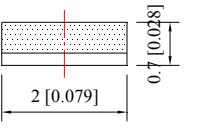
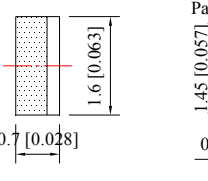
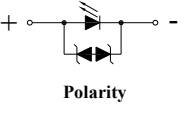
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						Typ.	Max.	IF=mA	Min.	Typ.	2 θ 1/2


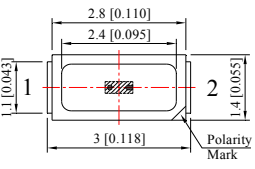
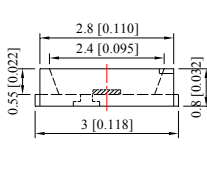
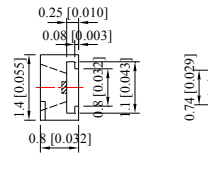
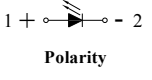
1W, 3W High Power LED

											
C3535W-W2H-Q100	InGaN	Cool White	x=0.31	y=0.32	Yellow Diffused	3.20	3.80	350	100	130	120
C3535W-W5H-Q100	InGaN	Neutral White	x=0.37	y=0.37		3.20	3.80	700	200	230	
C3535W-W6H-Q80	InGaN	Warm White	x=0.43	y=0.40		3.20	3.80	700	200	220	


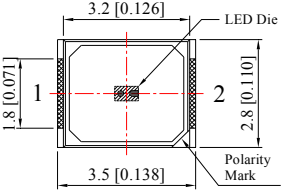
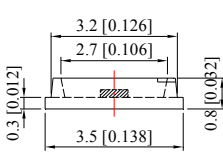
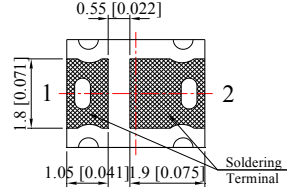
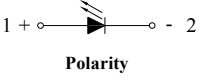
4W High Power Flash LED

											
R2016SW-W2H-Q220-D	InGaN	Pure White	x=0.31	y=0.32	Yellow Diffused	3.40	3.80	1000	220	240	120

PLCC-2 Top View 0.2W Mid-power LED

											
R3014W-W2M-Q10	InGaN	Cool White	x=0.31	y=0.32	Yellow Diffused	3.20	3.60	30	10.00	12.50	120
R3014W-W5M-Q10	InGaN	Neutral White	x=0.35	y=0.36		3.20	3.60		10.00	12.00	
R3014W-W6M-Q10	InGaN	Warm White	x=0.43	y=0.40		3.20	3.60		10.00	12.00	


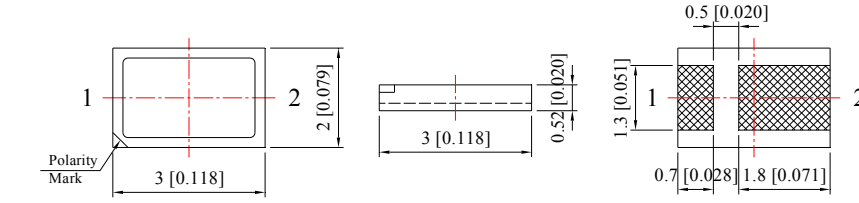
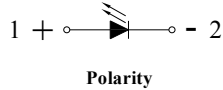
3.50mm×2.80mm×0.80mm PLCC-2 Top View 0.2W Mid-power LED

											
R2835W-W2M-Q20	InGaN	Cool White	x=0.32	y=0.33	Yellow Diffused	3.20	3.60	60	20	24	120
R2835W-W5M-Q20	InGaN	Neutral White	x=0.37	y=0.37		3.20	3.60		20	24	
R2835W-W6M-Q20	InGaN	Warm White	x=0.43	y=0.40		3.20	3.60		20	23	

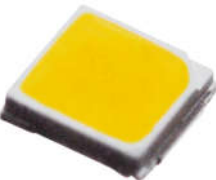
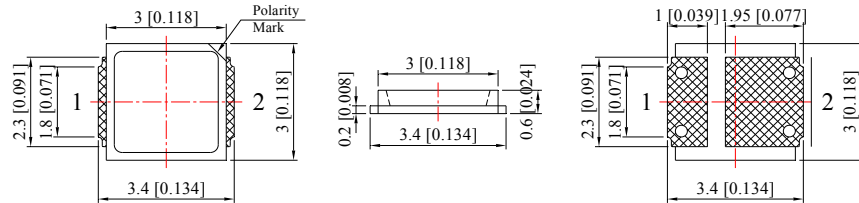
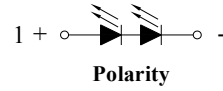
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						Typ.	Max.	IF=mA	Min.	Typ.	2 θ 1/2

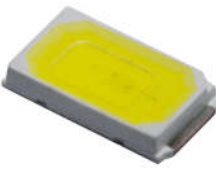
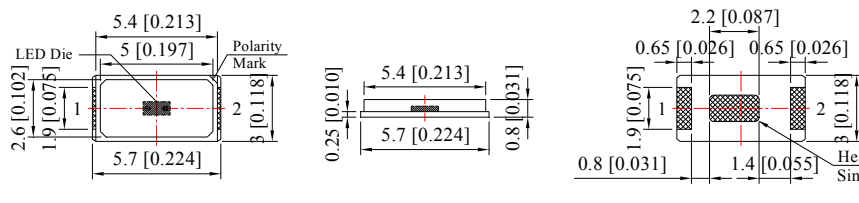
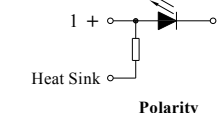
EMC Top View 0.5W Mid-power LED

											
R3020EW-W2H-Q62	InGaN	Cool White	x=0.31	y=0.32	Yellow Diffused	3.20	3.60	150	62	64	120
R3020EW-W5H-Q62	InGaN	Neutral White	x=0.35	y=0.36		3.20	3.60		62	64	
R3020EW-W6H-Q54	InGaN	Warm White	x=0.43	y=0.40		3.20	3.60		54	58	

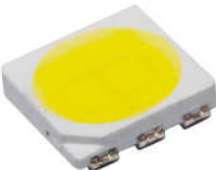
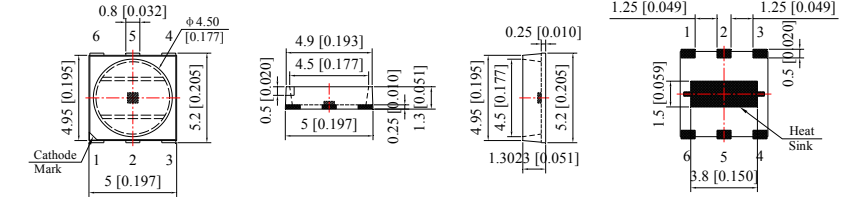
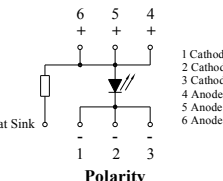
EMC Top View 0.5W Mid-power LED

											
R3030EW-W2H-Q100-6V-F	InGaN	Cool White	x=0.31	y=0.32	Yellow Diffused	6.00	6.80	150	100	120	120
R3030EW-W5H-Q100-6V-F	InGaN	Neutral White	x=0.35	y=0.36		6.00	6.80		100	120	
R3030EW-W6H-Q100-6V-F	InGaN	Warm White	x=0.43	y=0.40		6.00	6.80		100	120	

PLCC-2 Top View 0.5W Mid-power LED

											
R5730W-W2H-Q50	InGaN	Cool White	x=0.31	y=0.32	Yellow Diffused	3.20	3.60	150	50	60	120
R5730W-W5H-Q50	InGaN	Neutral White	x=0.37	y=0.37		3.20	3.60		50	60	
R5730W-W6H-Q50	InGaN	Warm White	x=0.43	y=0.40		3.20	3.60		50	60	


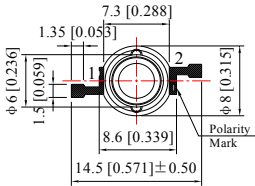
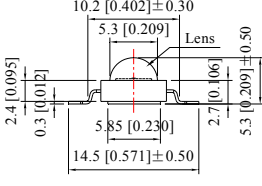

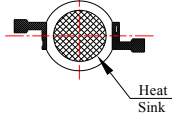
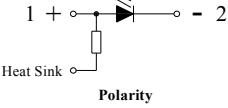
PLCC-6 Top View 0.5W Mid-power LED

											
R5050W-W2H-Q50	InGaN	Cool White	x=0.31	y=0.32	Yellow Diffused	3.20	3.60	150	50	60	120
R5050W-W5H-Q50	InGaN	Neutral White	x=0.37	y=0.37		3.20	3.60		50	60	
R5050W-W6H-Q45	InGaN	Warm White	x=0.43	y=0.40		3.20	3.60		45	60	


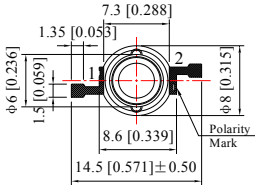
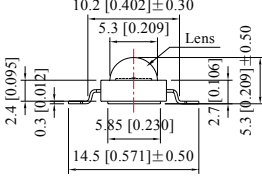

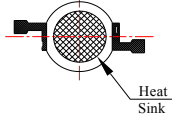
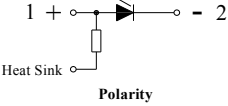
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						Typ.	Max.	IF=mA	Min.	Typ.	2 θ 1/2


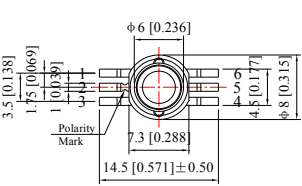
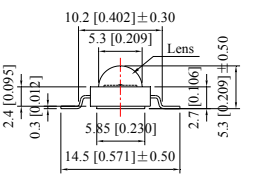

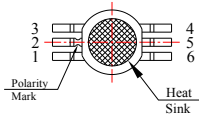
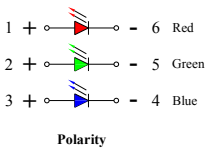
1W High Power LED

											
HP60MVD	AlGaInP	Super Bright Red	632	624	Water Clear	2.20	2.60	350	35	45	135
HP60MYD	AlGaInP	Super Bright Yellow	592	590		2.20	2.60		35	45	
HP60MPGF	InGaN	Pure Green	520	525		3.40	3.80		60	75	
HP60MBC	InGaN	Blue	468	470		3.40	3.80		15	25	

3W High Power LED

											
HP70MVG	AlGaInP	Super Bright Red	632	624	Water Clear	2.20	3.00	700	60	70	135
HP70MBD	InGaN	Blue	468	470		3.40	3.80		25	35	


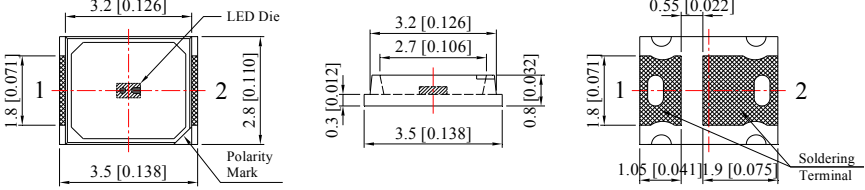
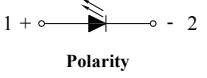
1W High Power LED

											
HP60MRGBC-001	AlGaInP	Super Bright Red	632	624	Water Clear	2.00	2.60	350	34	45	140
	InGaN	Pure Green	520	525		3.40	3.80		60	80	
	InGaN	Blue	468	470		3.40	3.80		16	20	

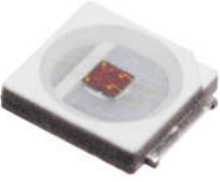
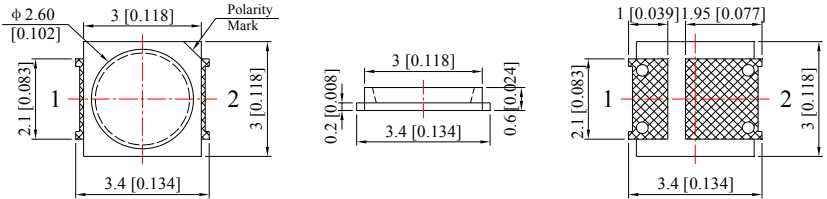
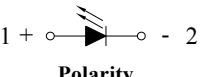
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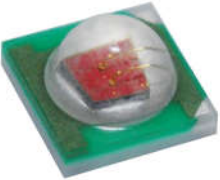
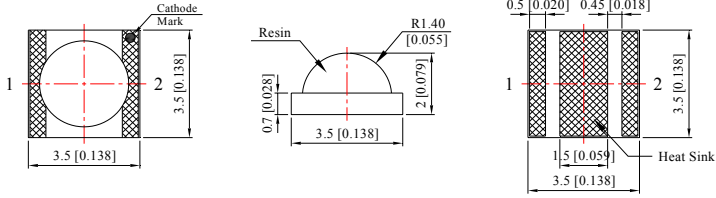

3.50mm×2.80mm×0.80mm PLCC-2 Top View 0.2W Mid-power LED

																																							
	<table border="1"> <tr> <td>R2835FRC-02W</td> <td>GaP</td> <td>Far Red</td> <td>730</td> <td>/</td> <td rowspan="4">Water Clear</td> <td>2.10</td> <td>2.40</td> <td rowspan="4">60</td> <td>10mW</td> <td>30mW</td> <td rowspan="4">120</td> </tr> <tr> <td>R2835RC-4C</td> <td>GaP</td> <td>Plant Red</td> <td>670</td> <td>660</td> <td>2.10</td> <td>2.40</td> <td>35mW</td> <td>55mW</td> </tr> <tr> <td>R2835BC-B2M-M10</td> <td>InGaN</td> <td>Blue</td> <td>450</td> <td>455</td> <td>3.20</td> <td>3.60</td> <td>1000</td> <td>1500</td> </tr> <tr> <td>R2835UVC-Q8M</td> <td>InGaN</td> <td>UV</td> <td>415</td> <td>440</td> <td>3.20</td> <td>3.60</td> <td>50</td> <td>100</td> </tr> </table>	R2835FRC-02W	GaP		Far Red	730	/	Water Clear	2.10	2.40	60	10mW	30mW	120	R2835RC-4C	GaP	Plant Red	670	660	2.10	2.40	35mW	55mW	R2835BC-B2M-M10	InGaN	Blue	450	455	3.20	3.60	1000	1500	R2835UVC-Q8M	InGaN	UV	415	440	3.20	3.60
R2835FRC-02W	GaP	Far Red	730	/	Water Clear	2.10	2.40		60	10mW		30mW	120																										
R2835RC-4C	GaP	Plant Red	670	660		2.10	2.40			35mW		55mW																											
R2835BC-B2M-M10	InGaN	Blue	450	455		3.20	3.60			1000		1500																											
R2835UVC-Q8M	InGaN	UV	415	440		3.20	3.60	50		100																													

EMC Top View 1W High Power LED

																					
	<table border="1"> <tr> <td>R3030ERC-1W</td> <td>AlGaInP</td> <td>Deep Red</td> <td>660</td> <td>640</td> <td rowspan="2">Water Clear</td> <td>2.10</td> <td>2.40</td> <td rowspan="2">350</td> <td>10</td> <td>15</td> <td rowspan="2">120</td> </tr> <tr> <td>R3030EBC-B2H-1W</td> <td>InGaN</td> <td>Blue</td> <td>450</td> <td>455</td> <td>3.20</td> <td>3.80</td> <td>15</td> <td>20</td> </tr> </table>	R3030ERC-1W	AlGaInP		Deep Red	660	640	Water Clear	2.10	2.40	350	10	15	120	R3030EBC-B2H-1W	InGaN	Blue	450	455	3.20	3.80
R3030ERC-1W	AlGaInP	Deep Red	660	640	Water Clear	2.10	2.40		350	10		15	120								
R3030EBC-B2H-1W	InGaN	Blue	450	455		3.20	3.80	15		20											

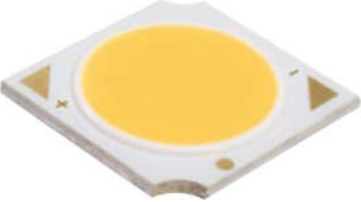
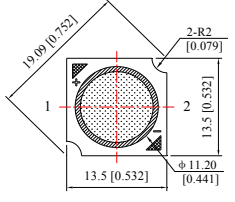
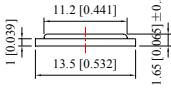
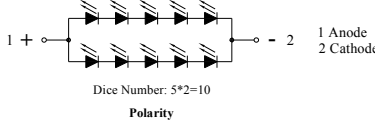
1W High Power LED

																																																
	<table border="1"> <tr> <td>C3535VC-H40</td> <td>AlGaInP</td> <td>Super Bright Red</td> <td>632</td> <td>624</td> <td rowspan="5">Water Clear</td> <td>2.20</td> <td>2.60</td> <td rowspan="5">350</td> <td>40</td> <td>50</td> <td rowspan="5">120</td> </tr> <tr> <td>C3535YC-H40</td> <td>AlGaInP</td> <td>Super Bright Yellow</td> <td>592</td> <td>590</td> <td>2.20</td> <td>2.60</td> <td>40</td> <td>50</td> </tr> <tr> <td>C3535PGC-G5H-Q65</td> <td>InGaN</td> <td>Pure Green</td> <td>520</td> <td>525</td> <td>3.20</td> <td>3.60</td> <td>65</td> <td>85</td> </tr> <tr> <td>C3535BC-B4H-Q15</td> <td>InGaN</td> <td>Blue</td> <td>468</td> <td>470</td> <td>3.20</td> <td>3.60</td> <td>15</td> <td>25</td> </tr> <tr> <td>C3535UVC-Q5</td> <td>InGaN</td> <td>UV</td> <td>395</td> <td>425</td> <td>3.40</td> <td>3.80</td> <td>335</td> <td>500</td> </tr> </table>	C3535VC-H40	AlGaInP		Super Bright Red	632	624	Water Clear	2.20	2.60	350	40	50	120	C3535YC-H40	AlGaInP	Super Bright Yellow	592	590	2.20	2.60	40	50	C3535PGC-G5H-Q65	InGaN	Pure Green	520	525	3.20	3.60	65	85	C3535BC-B4H-Q15	InGaN	Blue	468	470	3.20	3.60	15	25	C3535UVC-Q5	InGaN	UV	395	425	3.40	3.80
C3535VC-H40	AlGaInP	Super Bright Red	632	624	Water Clear	2.20	2.60		350	40		50	120																																			
C3535YC-H40	AlGaInP	Super Bright Yellow	592	590		2.20	2.60			40		50																																				
C3535PGC-G5H-Q65	InGaN	Pure Green	520	525		3.20	3.60			65		85																																				
C3535BC-B4H-Q15	InGaN	Blue	468	470		3.20	3.60			15		25																																				
C3535UVC-Q5	InGaN	UV	395	425		3.40	3.80	335		500																																						


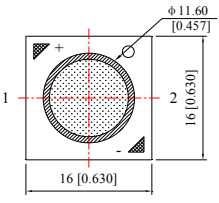
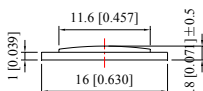
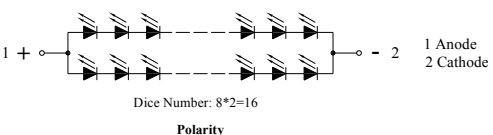
1. All dimensions are in millimeters (inches).
 2. Tolerance is $\pm 0.10\text{mm}$ (.004") unless otherwise noted.
 3. Specifications are subject to change without notice.

Part Number	Chip Material	Emitting Color	λ_p (nm) / x	λ_d (nm) / y	Lens Color	VF (V)		Φ_V (lm)			Viewing Angle
						Typ.	Max.	IF=mA	Min.	Typ.	2 θ 1/2


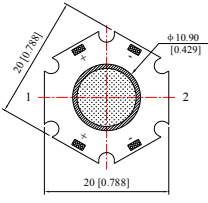
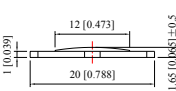
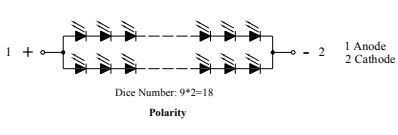
5W COB High Power LED

											
PB1414W2-5W	InGaN	Cool White	x=0.32	y=0.33	Yellow Diffused	16.50	19.00	320	500	600	120
PB1414W5-5W	InGaN	Neutral White	x=0.37	y=0.37		16.50	19.00		500	600	
PB1414W6-5W	InGaN	Warm White	x=0.43	y=0.40		16.50	19.00		500	550	

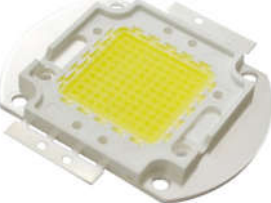
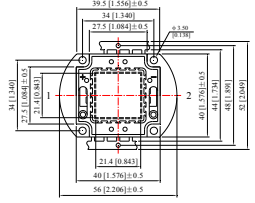
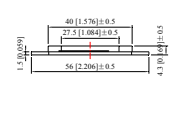
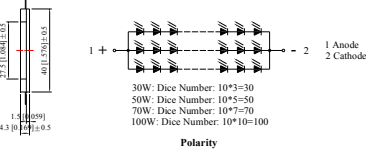
8W COB High Power LED

											
PB1616W2-8W	InGaN	Cool White	x=0.32	y=0.33	Yellow Diffused	26.00	28.00	320	850	950	120
PB1616W5-8W	InGaN	Neutral White	x=0.37	y=0.37		26.00	28.00		850	900	
PB1616W6-8W	InGaN	Warm White	x=0.43	y=0.40		26.00	28.00		800	850	

9W COB High Power LED

											
PBC20-11W2-9W	InGaN	Cool White	x=0.32	y=0.33	Yellow Diffused	27.00	30.60	320	950	1050	120
PBC20-11W5-9W	InGaN	Neutral White	x=0.37	y=0.37		27.00	30.60		950	1000	
PBC20-11W6-9W	InGaN	Warm White	x=0.43	y=0.40		27.00	30.60		900	950	

30W, 50W, 70W, 100W COB High Power LED

											
HP560400W2-30W	InGaN	Cool White	x=0.31	y=0.32	Yellow Diffused	34.00	38.00	1050	3000	3400	140
HP560400W2-50W	InGaN	Cool White	x=0.31	y=0.32		34.00	38.00	1750	5000	5500	
HP560400W2-70W	InGaN	Cool White	x=0.31	y=0.32		34.00	38.00	2450	7000	8400	
HP560400W2-100W	InGaN	Cool White	x=0.31	y=0.32		34.00	38.00	3500	10000	11000	

1. All dimensions are in millimeters (inches).
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