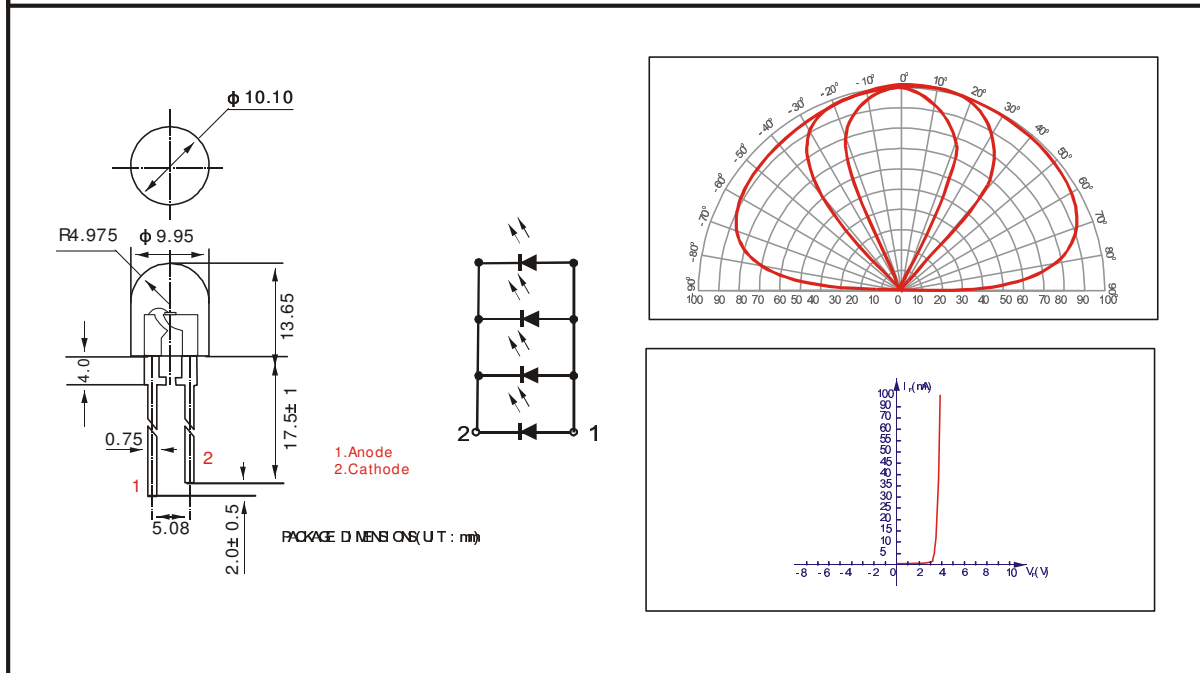


High LEDs



Electro-Optical Characteristics (Ta=25⁰C)

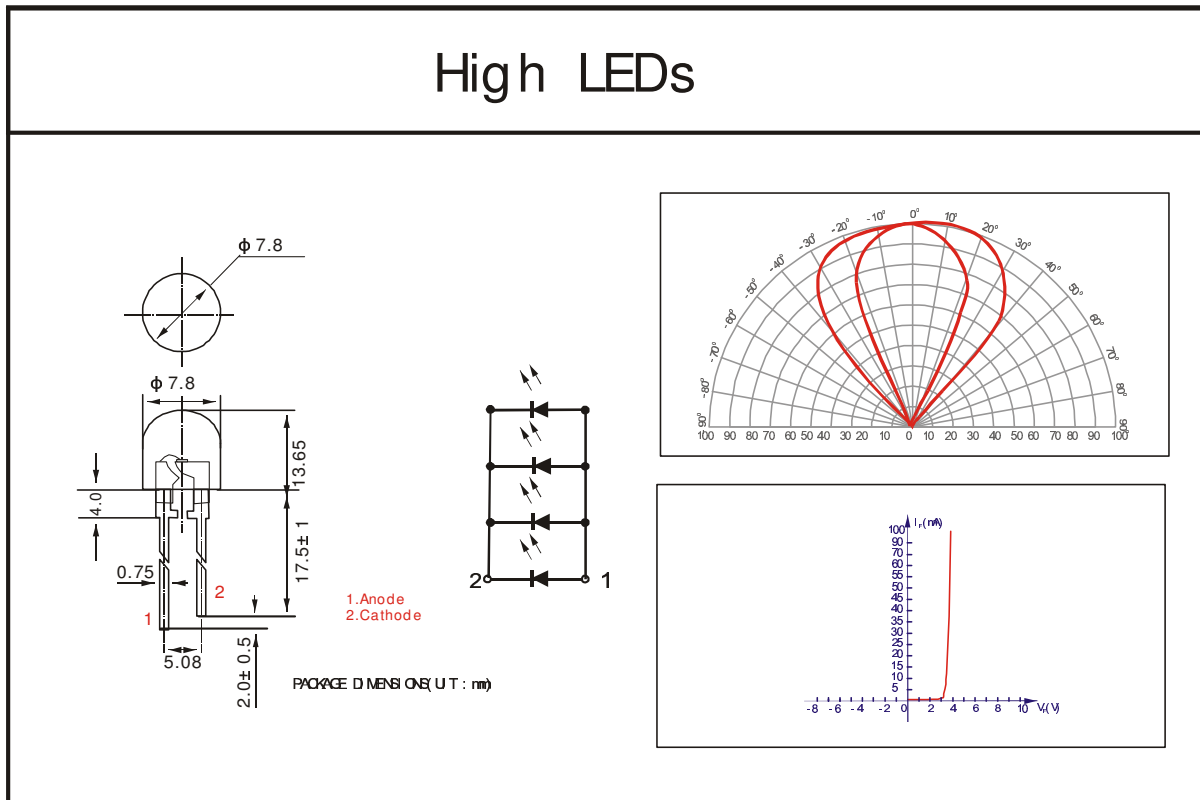
Items	Epoxy Package	Lead frame	Emitting Color	Wavelength λ_p (nm)	Electro-Optical Characteristics				
					V_F (V)	I_F (mA)	I_v (mcd)		
							50 ⁰	80 ⁰	180 ⁰
10W4DHCB-H	W/o flange	Copper	White	—	<4.0	80	15000	13000	12000
10B4DHCB-H	W/o flange	Copper	Blue	465-470	<4.0	80	10000	8000	7000
10G4DHCB-H	W/o flange	Copper	Green	520-540	<3.8	80	18000	15000	13000
10R4DHCB-H	W/o flange	Copper	Red	620-630	<2.2	80	8000	7000	6000
10Y4DHCB-H	W/o flange	Copper	Yellow	580-590	<2.2	80	9000	7500	6500

Absolute maximum ratings (Ta=25⁰C)

Parameter	Symbol	Testing Conditions				Unit
			Min	Typ	Max	
Power Dissipation	P_D	—	—	—	100	mW
Reverse Current	V_R	$I_R \leq 30 \mu A$	—	—	6.0	V
Working Temperature	T_{OPR}	—	—	—	+70	⁰ C
Soldering Temperature	T_{STG}	—	-40	—	100	⁰ C
Soldering Temperature	T_{SLD}	260 ⁰ C(5 seconds)				



High LEDs



Electro-Optical Characteristics (Ta=25°C)

Items	Epoxy Package	Lead frame	Emitting Color	Wavelength λ_p (nm)	Electro-Optical Characteristics				
					V_F (V)	I_F (mA)	I_v (mcd)		
							50°	80°	180°
8W4DHCB-H	W/o flange	Copper	White	—	<4.0	80	16000	14000	13000
8B4DHCB-H	W/o flange	Copper	Blue	465-470	<4.0	80	11000	9000	8000
8G4DHCB-H	W/o flange	Copper	Green	520-540	<3.8	80	19000	16000	14000
8R4DHCB-H	W/o flange	Copper	Red	620-630	<2.2	80	8500	7500	6500
8Y4DHCB-H	W/o flange	Copper	Yellow	580-590	<2.2	80	9500	8000	7000

Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Testing Conditions				Unit
			Min	Typ	Max	
Power Dissipation	P_D	—	—	—	100	mW
Reverse Current	V_R	$I_R \leq 30 \mu A$	—	—	6.0	V
Working Temperature	T_{OPR}	—	—	—	+70	°C
Soldering Temperature	T_{STG}	—	-40	—	100	°C
Soldering Temperature	T_{SLD}	260°C(5 seconds)				

