
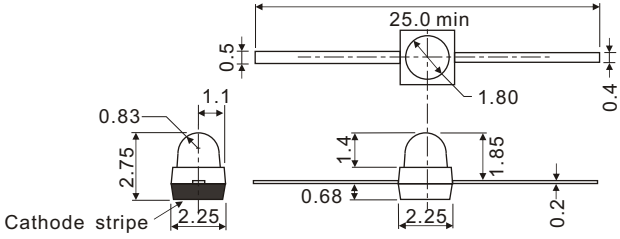


# Miniature Device LEDs

Ta=25°C

Device No	Color		Wavelength (nm)		VF Typical (V)	Brightness (mcd)		View Angle 2θ1/2
	Emitter	Lens	λp	λd		IV1	IV2	

Round								
	Device No	Color	Lens	λp	λd	VF	Brightness (mcd)	View Angle
	HMIB-43	yellow green	water clear	570	567	2.15	55.0	80.0
	HMIB-43CG	yellow green	water clear	570	567	2.15	70.0	500.0
	HMIB-43BG	yellow green	water clear	575	572	2.20	380.0	900.0
	HMIB-43AGC	pure green	water clear	523	525	3.50	1400.0	3000.0
	HMIB-43B	bluish green	water clear	502	505	3.50	1400.0	3500.0
	HMIB-43PG	pure green	water clear	557	560	2.25	13.0	20.0
	HMIB-44	yellow	water clear	589	585	2.10	30.0	45.0
	HMIB-44AY	super yellow	water clear	592	590	2.00	550.0	1300.0
	HMIB-44FY	super yellow	water clear	592	590	2.00	1200.0	3000.0
	HMIB-45	orange	water clear	625	618	2.05	35.0	50.0
	HMIB-45AO	super orange	water clear	620	615	2.00	550.0	1300.0
	HMIB-45FO	super orange	water clear	620	615	2.00	1200.0	3000.0
	HMIB-45AOR	super red	water clear	635	626	2.00	8000.0	1500.0
	HMIB-46DR	super red	water clear	660	643	1.80	80.0	350.0
	HMIB-46CR	super red	water clear	660	643	1.80	200.0	600.0
	HMIB-46BR	super red	water clear	655	638	2.10	220.0	800.0
	HMIB-46ARA	super red	water clear	660	645	1.86	300.0	1200.0
	HMIB-48ABC	super blue	water clear	468	470	3.80	500.0	1500.0
HMIB-19AWD	super white	Yellow diffused	(0.29,0.30)		3.60	2300.0	4200.0	

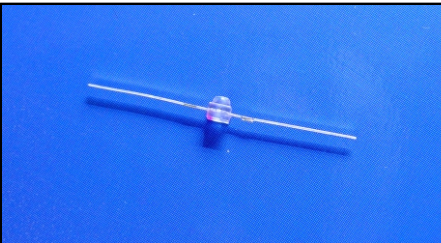
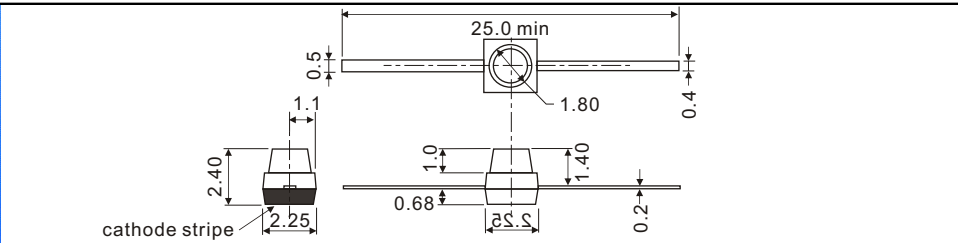
24

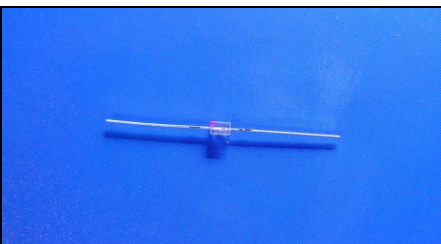
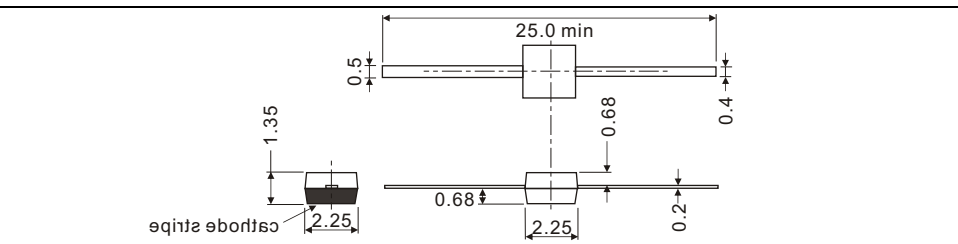
IV1:Labsphere LED-1100 IV2:EXELTRON 2001.

# Miniature Device LEDs

Ta=25°C

Device No	Color		Wavelength (nm)		VF Typical (V)	Brightness (mcd)		View Angle 2θ1/2
	Emitter	Lens	λp	λd		IV1	IV2	

Cylindrical									
	HMIC-43	yellow green	water clear	570	567	2.15	22.0	10.0	125
	HMIC-43PG	pure green	water clear	557	560	2.25	6.5	3.0	125
	HMIC-43CG	yellow green	water clear	570	567	2.15	45.0	20.0	125
	HMIC-44	yellow	water clear	589	585	2.10	9.4	8.0	125
	HMIC-44AY	super yellow	water clear	592	590	2.00	65.0	80.0	125
	HMIC-44FY	super yellow	water clear	592	590	2.00	80.0	180.0	125
	HMIC-45	orange	water clear	625	618	2.05	9.0	10.0	125
	HMIC-45AOR	super orange	water clear	620	615	2.00	105.0	80.0	125
	HMIC-45FO	super orange	water clear	620	615	2.00	150.0	180.0	125
	HMIC-46ARA	super red	water clear	660	645	1.86	80.0	130.0	75
	HMIC-46CR	super red	water clear	660	643	1.86	18.5	30.0	125
HMIC-46DR	super red	water clear	660	643	1.86	14.0	22.0	75	

Rectangular									
	HMIR-43	yellow green	water clear	570	567	2.15	6.5	8.0	170
	HMIR-43PG	pure green	water clear	557	560	2.25	1.6	2.0	170
	HMIR-43CG	yellow green	water clear	570	567	2.15	12.1	15.0	170
	HMIR-44	yellow	water clear	589	585	2.10	3.7	6.0	170
	HMIR-44AY	super yellow	water clear	592	590	2.00	58.0	350.0	170
	HMIR-45	orange	water clear	625	618	2.05	3.7	6.5	170
	HMIR-45AOR	super orange	water clear	620	615	2.00	47.5	114.0	170
	HMIR-46ARA	super red	water clear	660	645	1.86	27.0	116.0	170
	HMIR-46CR	super red	water clear	660	643	1.86	4.1	20.0	170
HMIR-46DR	super red	water clear	660	643	1.86	2.8	12.0	170	

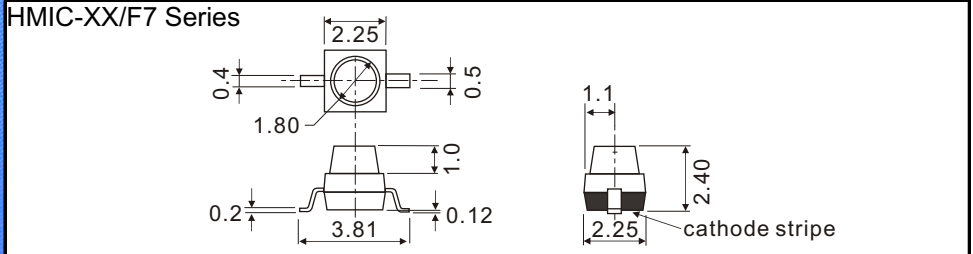
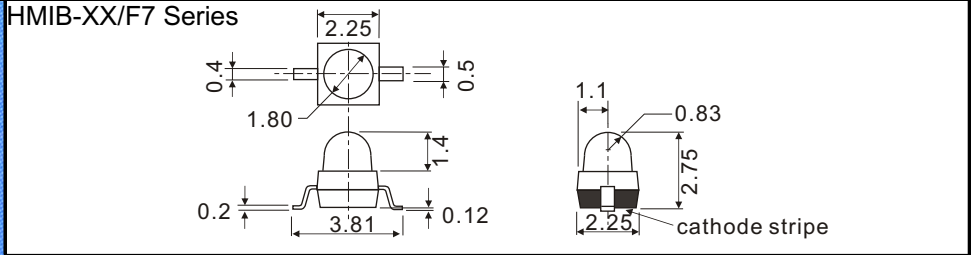
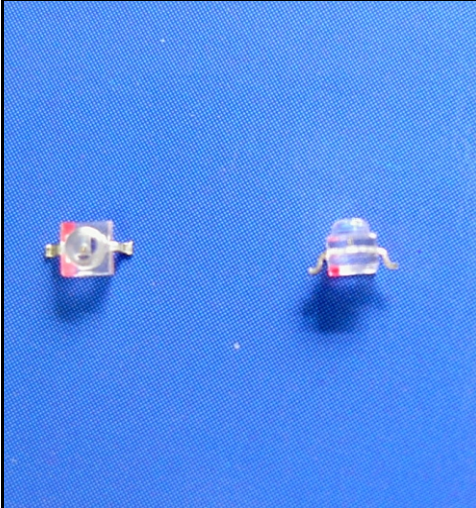
IV1: Labsphere LED-1100 IV2: EXELTRON 2001.

# Miniature Device LEDs

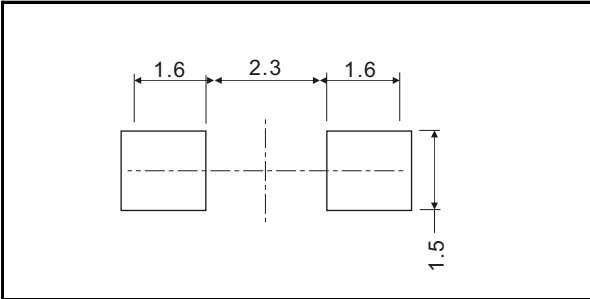
## F7(Surface Mount)

Dimension:

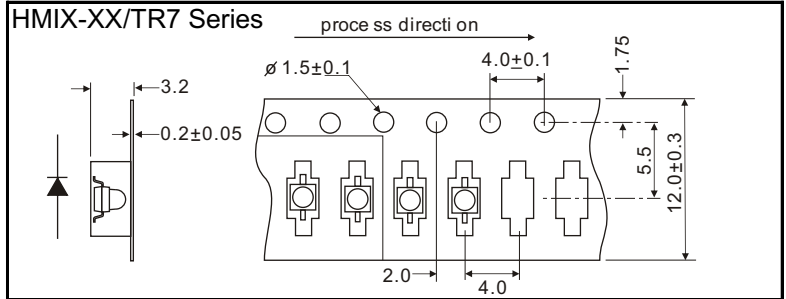
Unit : mm. Tolerance:0.15mm



### Recommended Soldering Pattern:



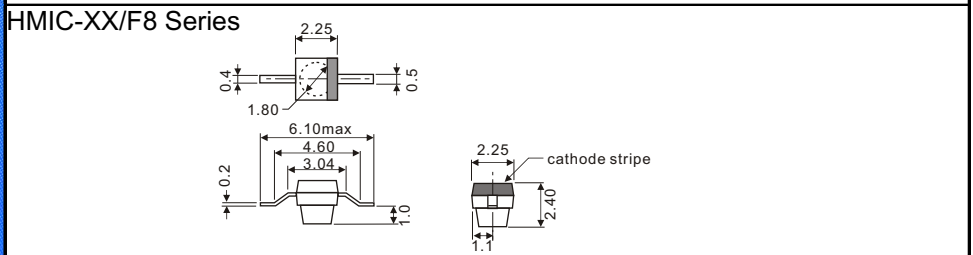
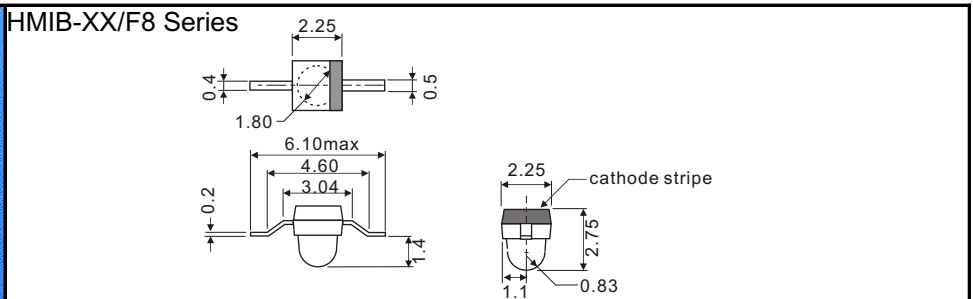
### Tape Specifications: ( 1,500pcs/Reel )



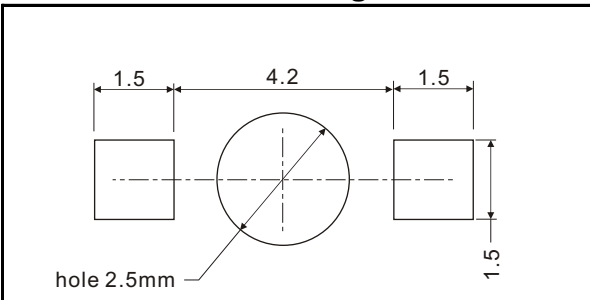
## F8(Surface Mount)

Dimension:

Unit : mm. Tolerance:0.15mm.



### Recommended Soldering Pattern:



### Tape Specifications: ( 1,500pcs/Reel )

