

Infrared Emitters

Ta=25°C

Device No	Wavelength	Lens Color	Forward Voltage		Radiant Output Power (mw/sr)			View Angle 2θ1/2
	λp(nm)		Typ(V)	IF(mA)	Minimum	Typical	IF(mA)	

SMD 1206									
	HIRCL-150C-4	940	water clear	1.21	20	0.6	1.0	20	140
	HIRCL-150D-4	940	water clear	1.18	20	0.6	1.2	20	140
	HIRCL-150E-4	880	water clear	1.35	20	0.4	0.6	20	140
	HIRCL-150G-4	850	water clear	1.47	20	1.0	1.8	20	140

SMD 0805									
	HIRCL-170C-4	940	water clear	1.21	20	0.6	1.0	20	140
	HIRCL-170D-4	940	water clear	1.18	20	0.6	1.2	20	140
	HIRCL-170E-4	880	water clear	1.35	20	0.4	0.6	20	140
	HIRCL-170G-4	850	water clear	1.47	20	1.0	1.8	20	140

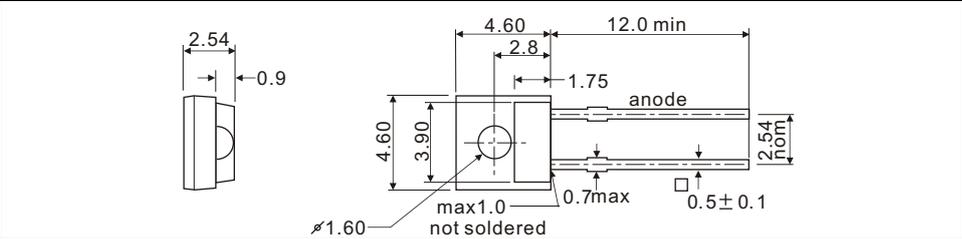
SMD 0603									
	HIRCL-190C-4	940	water clear	1.21	20	0.6	1.0	20	140
	HIRCL-190D-4	940	water clear	1.18	20	0.6	1.2	20	140
	HIRCL-190E-4	880	water clear	1.35	20	0.4	0.6	20	140
	HIRCL-190G-4	850	water clear	1.47	20	1.0	1.8	20	140

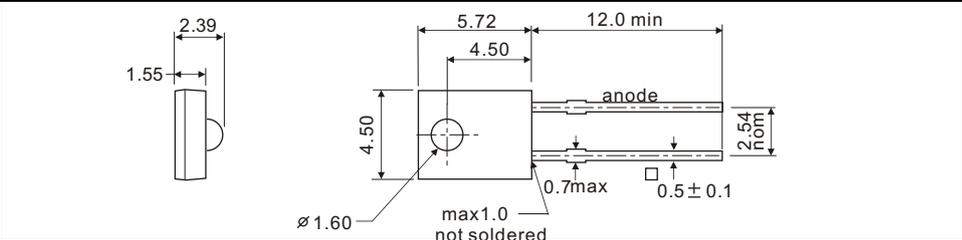
φ 1.8									
	HIRMIB-4C	940	water clear	1.21	20	3.0	8.0	20	25
	HIRMIB-4D	940	water clear	1.18	20	3.0	8.0	20	25
	HIRMIB-4E	880	water clear	1.35	20	3.0	6.0	20	25
	HIRMIB-4G	850	water clear	1.47	20	4.0	10.0	20	25

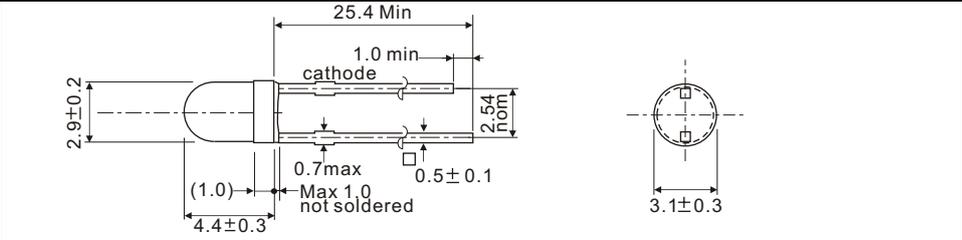
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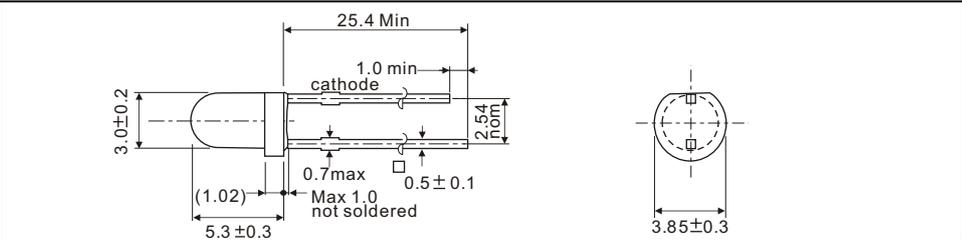
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	λp(nm)		Typ(V)	IF(mA)	Minimum	Typical	IF(mA)	

side look									
	HIRB1-48C	940	water clear	1.21	20	0.30	12.5	20	30
	HIRB1-48D	940	water clear	1.25	50	15.0	25.0	50	40
	HIRB1-48E	880	water clear	1.47	50	12.0	20.0	50	40
	HIRB1-48G	850	water clear	1.50	50	17.0	35.0	50	40

side look									
	HIRB1b-48C	940	water clear	1.21	20	0.30	12.5	20	30
	HIRB1b-48D	940	water clear	1.25	50	15.0	25.0	50	40
	HIRB1b-48E	880	water clear	1.47	50	12.0	20.0	50	40
	HIRB1b-48G	850	water clear	1.50	50	17.0	35.0	50	40

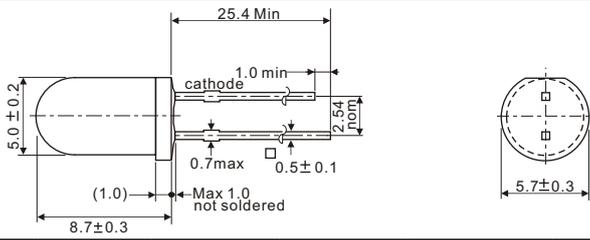
φ 3.0									
	HIRB3J-44C	940	water clear	1.21	20	3.0	6.5	20	50
	HIRB3J-44D	940	water clear	1.25	50	9.0	18.0	50	55
	HIRB3J-44E	880	water clear	1.47	50	7.0	15.0	50	55
	HIRB3J-44G	850	water clear	1.50	50	10.0	25.0	50	55

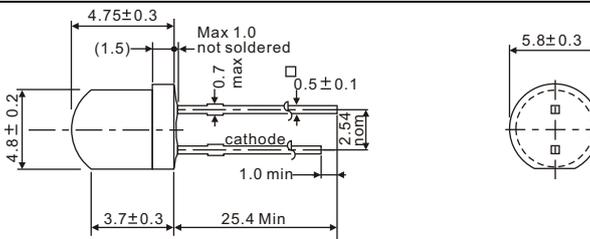
φ 3.0									
	HIRB3b-44C	940	water clear	1.28	50	15.0	30.0	50	30
	HIRB3b-44D	940	water clear	1.25	50	15.0	28.0	50	30
	HIRB3b-44E	880	water clear	1.47	50	13.0	22.0	50	30
	HIRB3b-44G	850	water clear	1.50	50	20.0	40.0	50	30

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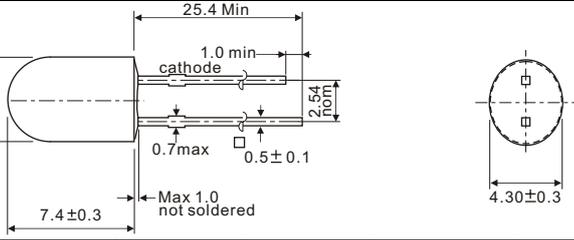
φ 5									
	HIRB5-43C-A	940	water clear	1.28	50	35.0	70.0	50	15
	HIRB5-23C-B	940	colored clear	1.28	50	25.0	60.0	50	20
	HIRB5-43C-B	940	water clear	1.28	50	25.0	60.0	50	20
	HIRB5-23C-C	940	colored clear	1.28	50	25.0	40.0	50	40
	HIRB5-43C-C	940	water clear	1.28	50	25.0	40.0	50	40
	HIRB5-43C-D	940	water clear	1.28	50	15.0	30.0	50	50
	HIRB5-43D-A	940	water clear	1.25	50	45.0	80.0	50	15
	HIRB5-43D-B	940	water clear	1.25	50	40.0	70.0	50	20
	HIRB5-43D-C	940	water clear	1.25	50	30.0	50.0	50	40
	HIRB5-43D-D	940	water clear	1.25	50	20.0	35.0	50	50
	HIRB5-43E-A	880	water clear	1.47	50	35.0	65.0	50	15
	HIRB5-43E-B	880	water clear	1.47	50	25.0	50.0	50	20
	HIRB5-43E-C	880	water clear	1.47	50	20.0	35.0	50	40
	HIRB5-43E-D	880	water clear	1.47	50	12.5	25.0	50	50
	HIRB5-43G-A	850	water clear	1.50	50	65.0	140.0	50	12
	HIRB5-43G-B	850	water clear	1.50	50	60.0	100.0	50	18
	HIRB5-43G-C	850	water clear	1.50	50	50.0	80.0	50	35
	HIRB5-43G-D	850	water clear	1.50	50	25.0	55.0	50	50
	HIRB5-43H-C	875	water clear	1.55	50	70.0	130.0	50	35
HIRB5-43H-D	875	water clear	1.55	50	50.0	80.0	50	50	

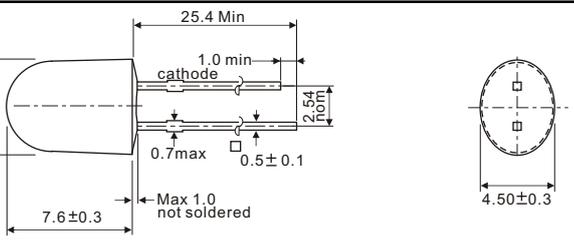
φ 5									
	HIRB5G-43D	940	water clear	1.25	50	12.0	20.0	50	60
	HIRB5G-43G	850	water clear	1.50	50	15.0	25.0	50	70

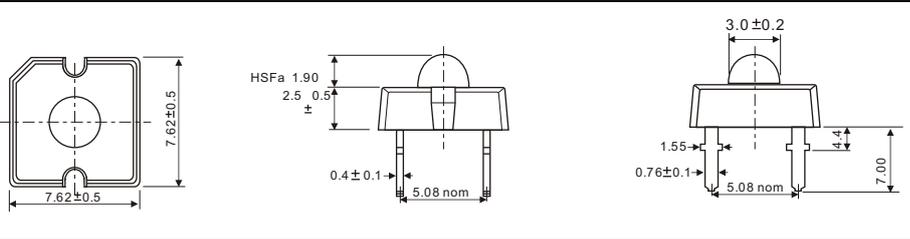
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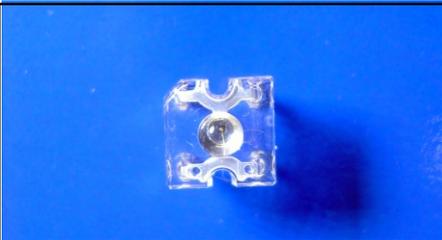
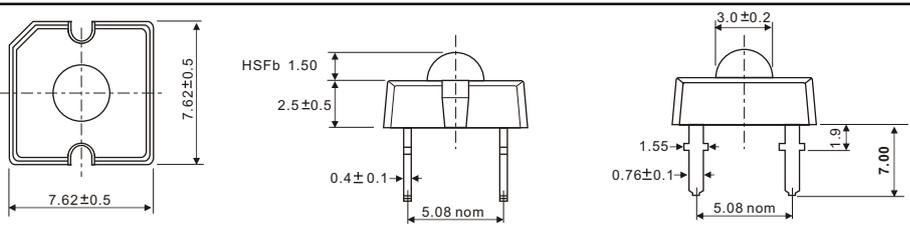
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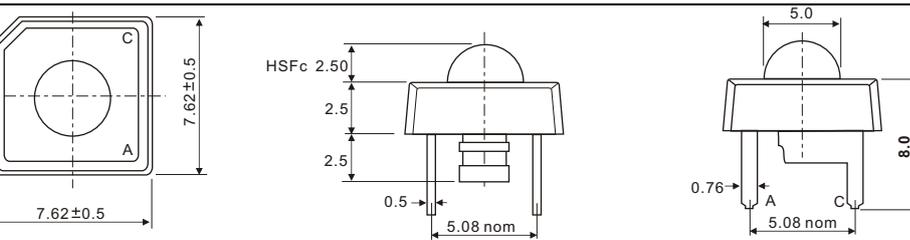
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	λp(nm)		Typ(V)	IF(mA)	Minimum	Typical	IF(mA)	

oval									
	HIRB4Q-43D	940	water clear	1.25	50	30.0	60.0	50	40/20
	HIRB4Q-43G	850	water clear	1.50	50	20.0	75.0	50	40/20

oval									
	HIRB5RH-43D	940	water clear	1.25	50	30.0	50.0	50	70/25
	HIRB5RH-43G	850	water clear	1.50	50	40.0	70.0	50	70/25

oval								
	HIRSFa-4G	850	water clear	1.50	50	12.0	25.0	50

oval								
	HIRSFb-4G	850	water clear	1.50	50	10.0	20.0	50

oval								
	HIRSFc-4K	850	water clear	1.50	50	16.5	65.5	200