

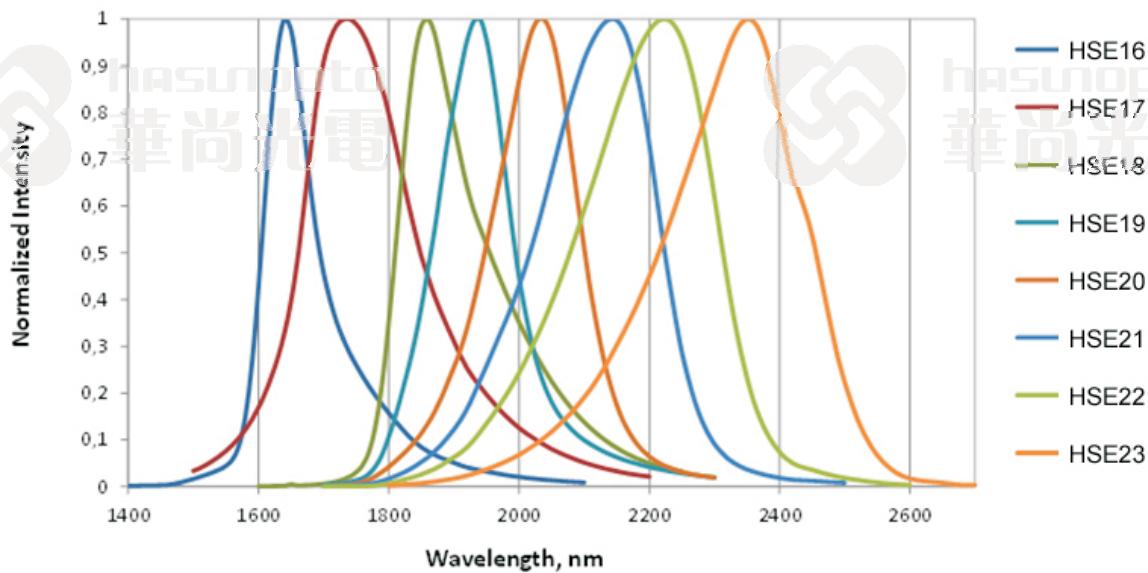


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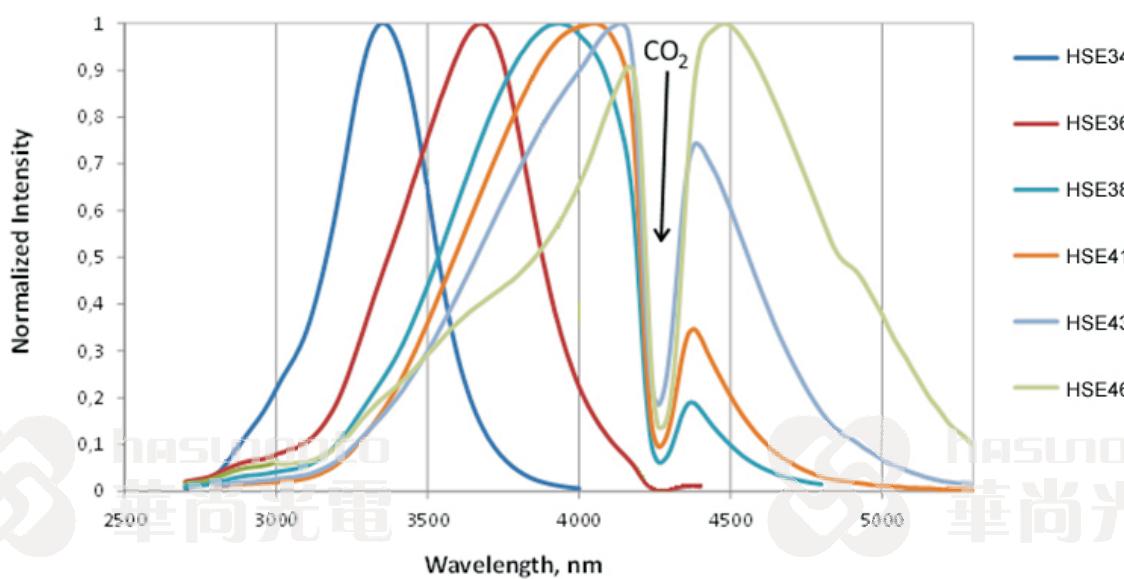
Infrared LED

Product No: HSE16-HSE50

quasi-CW mode, f=0.5kHz, current 200 mA



quasi-CW mode, f=0.5kHz, current 200 mA





Model	Peak emission wavelength, μm		FWHM of the emission band, nm		Power, mW		Voltage, V	Maximum operating current, mA	
	min	max	min	max	QCW mode *	Pulse mode **		QCW mode	Pulse mode
HSE16	1.61	1.69	100	100	4	8	-	0.8-1.1	250
HSE17	1.71	1.76	150	250	5.5	7.5	-	0.5-1.0	200
HSE18	1.80	1.89	100	200	0.7	1.1	15	25	0.5-1.5
HSE19	1.90	1.99	100	200	0.8	1.2	20	30	0.5-1.5
HSE20	2.00	2.09	150	250	0.8	1.2	20	30	0.5-1.5
HSE21	2.10	2.19	150	250	0.8	1.2	15	25	0.5-1.0
HSE22	2.20	2.29	150	250	0.8	1.2	15	25	0.5-1.0
HSE23	2.30	2.39	170	270	0.6	1.0	12	20	0.5-1.0

LED Flip-Chip models (top surface of a LED chip is free of contacts)

HSE16-FC	discontinued								
HSE17-FC	discontinued								
HSE18-FC	1.80	1.89	100	180	0.7	1.4	20	30	0.6-2.0
HSE19-FC	1.90	1.99	100	180	0.8	1.6	20	35	0.6-2.4
HSE20-FC	2.00	2.09	140	220	0.8	2.0	20	35	0.5-1.0
HSE21-FC	2.10	2.19	200	300	0.8	2.5	20	40	0.6-2.8
HSE22-FC	2.20	2.29	200	300	0.8	2.5	20	40	0.6-2.8
HSE23-FC	2.30	2.37	200	340	0.8	1.4	20	30	1.2-2.8

Model	Peak emission wavelength, μm		FWHM of the emission band, nm		Power, μW				Voltage, V	Maximum operating current, mA	
	min	max	min	max	QCW mode *	Pulse mode **	min	max		QCW mode	Pulse mode
HSE34	3.30	3.49	400	600	25	45	320	480	0.2-0.5	250	2000
HSE34H	3.30	3.49	400	500	45	80	480	720	0.2-0.5	250	2000
HSE38	3.70	3.94	500	700	20	40	180	220	0.5-0.8	250	2000
HSE41	3.95	4.09	700	1000	15	30	180	220	0.5-0.7	250	2000
HSE43	4.10	4.30	700	1000	8	12	180	220	0.2-0.8	250	2000
HSE46	4.40	4.60	700	1100	2	4	100	140	1.5-3.0	250	2000

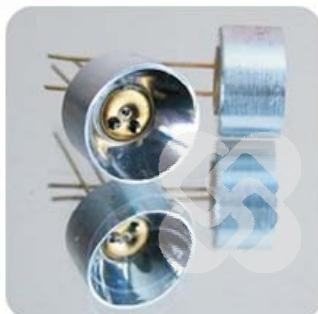
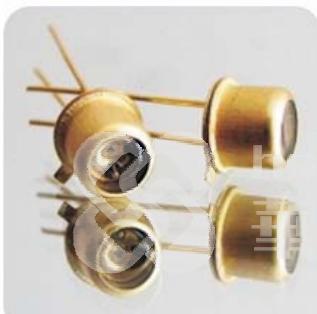


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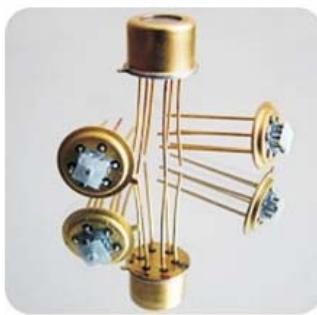
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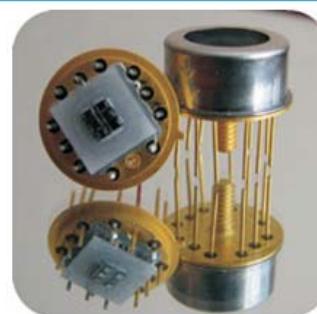
TO-18



TO5 (TO39)



TO8

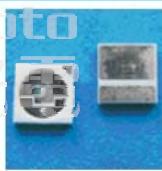


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SMD type packages



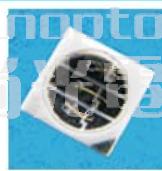
(SMD 3x3 mm)



(SMD 5x5 mm)



(SMD 5x5 mm with



(SMD 5x5 mm)

TEL:400-008-2928 18688757161 QQ:1622377954