

OPTOELECTRONIC DEVICES & MODULES

PHOTO REFLECTOR

TYPE	DESCRIPTION	MAXIMUM RATING			ELECTRO-OPTICAL CHARACTERISTIC						NOTE	PKG
		P tot	IF	VCEO	IO		ICEOD Max. [μA]	tr,tf Typ. [μs]				
		[mW]	[mA]	[V]	Min. [μA]	Typ. [μA]			IF [mA]	d [mm]		
NJL5133H	Paper Detector	250	100	25	300	1000	10	5	-	10	Topr = -20~120°C	L
NJL5134KL	DAT End Sensor	100	50	25	110	300	20	13	45	10	Pulsum reflector.	M
NJL5142ELA	Long Distance Detector	100	50	25	295	700	4	3.5	25	15	Lens type.	N
NJL5147EL		100	50	25	800	2000	4	3.5	60	15		N
NJL5143ELA	High Resolution	100	45	25	3	9	30	4.4	2.7	150	Δ 1=0.22mm, 2.5 line pair/mm	O
NJL5161K	Miniature Mold Type Transistor Output	100	50	25	21	50	4	0.7	0.1	20	Thin mold package infrared reflector with visible light rejective filter.	P/Q
NJL5163K		100	50	25	21	50	4	0.7	0.1	20		P/Q
NJL5165K		100	50	25	21	50	4	0.7	0.1	20		S
NJL5167K		100	50	25	21	50	4	0.7	0.1	20		T
NJL5165K-H		100	50	25	21	50	4	0.7	0.1	20	8.5mm high resin holder.	U
NJL5171K		100	50	25	50	90	4	0.7	0.1	20	Single inline, side view type.	V
NJL5172K		100	50	25	50	90	4	0.7	0.1	20		V
NJL5175K		60	30	25	21	50	4	0.7	0.1	20	High reliability type for car-audio.	P/Q
NJL5177K		60	30	25	21	50	4	0.7	0.1	20		P/Q
NJL5181K		100	50	25	21	50	4	0.7	0.1	20	For reflow assembly application.	Q/R
NJL5183K	100	50	25	21	50	4	0.7	0.1	20		Q/R	
NJL5165KL	100	50	25	1000	2000	15	4	100	20	Lens attached type.	V	
NJL5162K	Miniature Mold Type Darlington Transistor Output	100	50	25	600	3000	4	0.7	1	100	Thin mold package infrared reflector with visible light rejective filter.	P/Q
NJL5164K		100	50	25	600	3000	4	0.7	1	100		P/Q
NJL5166K		100	50	25	600	3000	4	0.7	1	100		S
NJL5168K		100	50	25	600	3000	4	0.7	1	100		T
NJL5166K-H		100	50	25	600	3000	4	0.7	1	100	8.5mm high resin holder	U
NJL5265K	Red LED Type	100	30	10	8	20	4	0.7	0.1	30	λ p=660nm	S
NJL5365K	Green LED Type	100	30	10	0.8	2	4	0.7	0.1	30	λ p=660nm	S
TYPE	DESCRIPTION	P tot	IF	Vcc	VOL Max.	I FHL Max.	I FLH Max.	d [mm]	tr,tf Typ. [μs]	tpHL, tpLH [μs]	NOTE	PKG
		[mW]	[mA]	[V]	[V]	[mA]	[mA]					
NJL5801K	Miniature Mold Type Digital Output	130	50	16	0.5	-	10	0.7	0.1	10	Active High, open-collector.	X
NJL5802K		130	50	16	0.5	10	-	0.7	0.1	10	Active Low, open-collector.	X
NJL5803K		130	50	16	0.5	-	10	0.7	5	10	Active High.	X
NJL5804K		130	50	16	0.5	10	-	0.7	5	10	Active Low.	X
NJL5805K		130	25	16	0.5	-	10	0.7	0.1	10	For car-audio. Active High.	X
NJL5809K		100	30	6	0.5	-	13.5	0.7	-	-	With comparator circuit, Active High.	X

THERMOPILE

TYPE	DESCRIPTION	MAXIMUM RATING			ELECTRO-OPTICAL CHARACTERISTIC						NOTE	PKG
		PIN	Topr	IF	Vs Typ. Ts [°C]	Rs Typ. [kΩ]	λ [μm]	VF [V] @100μA	t [ms]			
		[mW/cm²]	[°C]	[mA]						Typ. [μA]		
NJL9151F	Thermopile	-	-20~	-	-	-	1.1	-	-	-		C
NJL9152F	With Temperature Compensating Diode.	0.1	+80	10	1.6	70	65	~18	0.67	30		D

OPTOELECTRONIC MODULE

TYPE	DESCRIPTION	Maximum Rating Vcc [V]	ELECTRO-OPTICAL CHARACTERISTIC				BODY SIZE			NOTE	PKG
			Vcc [V]	Min. [m]	Lc Typ. [m]	fo [kHz]	L x B x H [mm]				
			[V]	[m]	[m]	[kHz]	[mm]	[mm]	[mm]		
NJH32H...A	Infrared Remote Control Receiver	6.3	4.7	8	11	32, 75, 38.7	14.4	11.7	8.5	Top view type, metal case.	Y
NJH32V...A			~5.3				38, 40, 56.8	14.4	11.7	8.5	Side view type, metal case.
NJH41H...	Inverter Fluorescent Lamp Noise Reduct Type Infrared Remote Control Receiver	6.3	4.7 ~5.3	8	15	32.75	7.3	6.2	5.5	Top view, mold type.	a
NJH41V...							7.3	6.2	5.5	Side view, mold type.	b
NJH42H...							12.3	8.2	8	Top view type with holder.	c
NJH43H...							12.3	8.2	11	Top view type with holder.	c
NJH44H...							12.3	8.2	15	Top view type with holder.	c
NJH42V...							12.3	8.2	10	Side view type with holder.	d
NJH42HM...							12.3	8.2	8.5	Top view type, metal case.	e
NJH43HM...							12.3	8.2	11.5	Top view type, metal case.	e
NJH44HM...	12.3	8.2	15.5	Top view type, metal case.	e						
NJH42VM...	12.3	8.2	10.5	Side view type, metal case.	f						

... : Carrier frequency = 328 : 32.75kHz/360 : 36kHz/367 : 36.7kHz/380 : 38kHz/400 : 40kHz/568 : 56.8kHz

PACKAGE OUTLINE

