

Red Light Emitting Diodes (for Fiber, Control)

Applica- tion	Type No.	Package		I _F (mA)	P _O min. (mW)	V _F max. (V)	λ L typ. (nm)	θ typ. (deg.)	t _r , t _f typ. (ns)
		No.							
For control	LN143	TO-18 (Small)	MR02-1	40	4.5	2.2	λ p700	100	80
	LN122WS	TO-18 (Small)	MR02-1	40	2	2.2	λ p700	100	30
	LN122WF	TO-18	MF02-1	40	1.5	2.6	λ p680	30	30
For plastic fiber	LN124W	5 ϕ Plastic	PSF02-2	40	0.4	2.6	660	30	30
	LN145W	Side view	PSF02-1	40	0.4	2.2	700	80	30

Semiconductor Laser Diodes

Applica- tions	Type No.	Package No.	P _O max. (mW)	I _{th} typ. (mA)	I _{op} typ. (mA)	λ L typ. (nm)	$\theta_{\parallel}$ typ. (deg.)	$\theta_{\perp}$ typ. (deg.)	V _{op} typ. (V)
CD VD LBP	LN9705/P/PR	L9	5	40	60	788	10	35	1.8
	LN9705/PS/PSR	L5	5	40	60	788	10	35	1.8
	LN9715/S	L9/L5	15	25	35	780	10	25	2.0
Optical disk for video processing	LN9735/LPSR	L5	35	30	70	785	9.5	25	2.0
	LN9740P/PR	L9	40	50	110	780	9	23	1.9
	LN9850/P/PR	L9	50	50	120	830	9	23	1.9
Optical communi- cation	LN7301	L9	5	15	27	1.3	25	35	1.2
	LN7301S	L5	5	15	27	1.3	25	35	1.2
	LN7301F	L5	5	15	17	1.3	15	15	1.2

Red Laser Diodes

Type No.	Package No.	P _O max. (mW)	I _{th} typ. (mA)	I _{op} typ. (mA)	λ L typ. (nm)	$\theta_{\parallel}$ typ. (deg.)	$\theta_{\perp}$ typ. (deg.)	V _{op} typ. (V)
LN9R05M/MS	L5/L9	5	45	52	680	9	32	2.5
LN9R05N/NS	L5/L9	5	40	50	680	9	32	2.5
LN9R05MS.P	L5	5	25	35	670	8	30	2.5
LN9R20	L9	20	45	68	680	8	30	2.7
LN9R35	L9	35	45	80	680	8	22	2.7
LN9P01/S	L5/L9	1.5	50	52	635	7	30	2.5
LN9P03/M	L9	3	50	54	635	7	30	2.5
LN9P03S/MS	L5	3	50	54	635	7	30	2.5

Laser Modules

Laser Module for Optical Communication

Type No.	Package No.	P _r max. (mW)	I _{th} typ. (mA)	I _{op} typ. (mA)	λ L typ. (μ m)	E _r typ. (dB)	t _r , t _f typ. (ns)	V _{op} typ. (V)
LN7301M005	LM04	2	15	25	1.3	0.5	0.3	25

Modules for Laser Drive

Type No.	Package No.	V _{DD} typ. (V)	V _{OUT} typ. (V)	I _{DD} typ. (mA)	f _{osc} typ. (MHz)	P _{osc} typ. (dBm)
UN031	LMD-1	5.0	5.0	40	650	12
UN035	LMD-2	6.0	6.0	200	600	12
UN039	LMD-3	5.0	5.0	40	650	—

Infrared Light Emitting Diodes (for Remote Control, AF, and Control)

Applica- tions	Type No.	Package	No.	I _F (mA)	P _O (mW)	P _O I _a min. (mW)	V _F max. (V)	λ p typ. (nm)	θ typ. (deg.)
For remote control	LN66	5 ϕ Plastic	P5002-1	100	160	3	1.6	950	25
	LN66A	5 ϕ Plastic	P5002-1	100	160	*9mW/ sr.	1.6	950	25
	LN66F	5 ϕ Plastic	P5002-1	50	75	*13mV/ sr.	1.5	900	15
	LN66(NC)	5 ϕ (Dark blue)	P5002-1	100	160	3	1.6	950	25
	LN66(L)	5 ϕ Long lead	P5002-2	100	160	5	1.6	950	25
	LN68	3 ϕ Plastic	P3002-1	50	75	2.5	1.5	940	20
	LN69	3 ϕ Long lead	P3002-2	50	75	—	1.5	940	15
	LN77L	5 ϕ Long lead	P5002-4	100	190	10	1.9	860	20
For AF	LN166	5 ϕ Plastic	P5002-1	100	160	*10mW/ Sr.	1.6	950	20
	LN155	Side view	PSF02-1	100	160	3	1.6	940	80
	LN182	TO-18	MFL2-1	100	200	3.0	1.9	880	20
	LN182-(SC)	TO-18	MFL2-1	100	160	3	1.9	880	20
	LN184	TO-18	MFL2-1	100	190	3	1.9	880	20
	LN189L	Mini mold	PR002-1	100	190	3	1.9	880	20
	LN189M	Mini mold	PR002-2	85	160	3	1.9	880	20
	LN189S	Mini mold	PR002-3	80	190	3	2	880	15
For control	LN671	Flat package	PR004-1	70	130	7	1.8	880	50
	LN1409	Flat package	PFES05-1	I _{FP} 1.6A	—	80	1.8	940	—
	LN51L	TO-18	ML02-1	100	150	3	1.5	950	8
	LN51F	TO-18	MR02-1	100	150	3	1.5	950	32
	LN52	TO-18 (Small)	MR02-1	100	160	3.5	1.6	950	100
	LN54	Side view	PSLS2-1	50	75	2.5	1.5	950	17
	LN55	Side view	PSLS2-2	50	75	1.8	1.5	950	35
	LN57	Double end	PD002-1	50	75	3	1.5	950	18
	LN58	Side view	PSLS2-3	50	75	1.8	1.5	950	35
	LN59	Bidirectional type	PSLD2-1	50	75	1.8	1.5	940	—
	LN59L	Bidirectional type Long lead	PSLD2-2	50	75	1.8	1.5	940	—
	LN159	Bidirectional type	PSLD2-2	50	75	1.8	1.5	940	—
	LN65	Side view	PSLS2-2	100	160	4.3	1.6	950	35
	LN75X	Side view	PSLS2-2	100	180	6	1.8	880	35
	LN78	Side view	PSLS2-3	100	180	6	1.8	880	40
	LN151L	TO-18	ML02-1	100	160	4.5	1.6	950	8
	LN151F	TO-18	MF02-1	100	160	4.5	1.6	950	32
	LN152	TO-18 (Small)	MR02-1	100	160	5	1.6	950	90
	LN62S	3 ϕ Ceramic	C302-1	50	75	1.5	1.5	950	80
	LN162S	3 ϕ Ceramic	C302-1	50	75	1.5	1.5	950	80
	LN172	TO-18 (Small)	MR02-2	2	170	7	1.7	900	100
	LN175	Side view	PSF02-1	100	170	7	1.7	900	120