■WIRELESS TRANSMISSION DEVICES

Wireless transmission devices include infrared LEDs with a peak wavelength of 850 nm, high intensity outputs of 15 mW (DN304) and 12 mW (DN305), high response time and the frequency of 30 MHz, and pin photo diodes with each size of package. Stanley will satisfy customers' needs for opto-spatial transmission applications such as audio transmission, data transmission LAN, etc.

▼LED DN SERIES

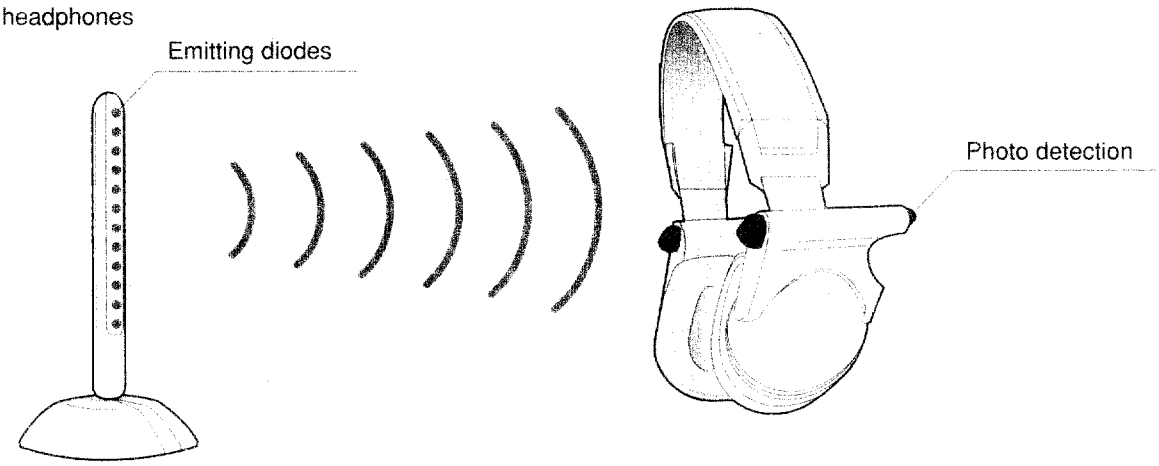
Type No.	Radiant Intensity I_E			Photo output P_O		Cut-Off Frequency f_C		Features	Page
	MIN.	TYP.	I_F	TYP.	I_F	TYP.	I_F		
DNP318U	35	70	50	14	50	12	50	φ5 package Wide distribution	85
DNF318	30	60	50	13	50	30	50	φ5 package Narrow distribution	
DNP324U	15	35	50	18	50	12	50	φ5 package Wide distribution	
DNF324	15	30	50	13	50	30	50	φ5 package Wide distribution	
DNP319	20	40	50	14	50	12	50	φ5 package Narrow distribution	
DNP331	10.5	21	50	16	50	12	50	φ5 package Wide distribution	
Units	mW/sr		mA	mW	mA	MHz	mA		

▼PIN PHOTO DIODE PP SERIES

Type No.	Photo Current I_P			Response Time $T_r \cdot T_f$			Capacitance C_T			Detection Area	Features	Page
	TYP.	V_R	Ee	TYP.	V_R	R_L	TYP.	V_R	f			
PP506-1	5.5	5	0.5	100	10	1000	13	10	1	6.68	Side View / Visible wavelength cut	90
PP508	7.5	5	0.5	50	10	1000	11	10	1		Side View	
PP509-1	5.5	5	0.5	25	10	1000	6.5	10	1		Side View / Visible wavelength cut	
PP601-1	4.8	5	0.5	100	10	1000	13	10	1	6.68	DIP Package / Visible wavelength	
PP602	440	12	5	200	12	1000	60	12	1	35.9	Flat package / Large side chip	
PP701	1100	12	5	200	12	1000	60	12	1	35.9	Flat package with Lens / Large side chip	
PP703	1100	12	5	150	12	1000	35	12	1	19.0	Flat package with Lens	
PP801	190	12	5	150	12	1000	35	12	1	19.0	Coneshaped Lens Wide distribution	
Units	μA	V	mW/cm²	nsec	V	Ω	pF	V	MHz	mm²		

▼APPLICATION EXAMPLES

Wireless headphones



Data transmission