

Opto-Electronic Devices (NEPOC)

• Light-Emitting Diodes

Color	Package	Type No.	Material	λ_p (nm)
Red	TO-18 (Clear Plastic)	SR101C	GaAsP	660
	TO-18 (Clear Glass)	SR102	GaAsP	660
	TO-18 (Red Diffused Plastic)	SR104D	GaAsP	660
	TO-18 (Red Diffused Plastic)	SR104DA	GaAsP	660
	3 ϕ Plastic Molded (Clear Plastic)	SR505C, SR615C	GaP, GaAsP (N)	630
	3 ϕ Plastic Molded (Red Diffused Plastic)	SR505D, SR615D	GaP, GaAsP (N)	630
	5 ϕ Plastic Molded (Clear Plastic)	SR503C, SR513C	GaP	695
	5 ϕ Plastic Molded (Red Diffused Plastic)	SR503D, SR513D	GaP	695
	5 ϕ Plastic Molded (White Diffused Plastic)	SR503W, SR513W	GaP	695
	5 ϕ Plastic Molded (Red Diffused Plastic)	SR603D, SR613D	GaAsP (N)	630
	5 ϕ Plastic Molded (Clear Plastic)	SR603C, SR613C	GaAsP (N)	630
	5 ϕ Plastic Molded (White Diffused Plastic)	SR603W, SR613W	GaAsP (N)	630
Green	5 ϕ Plastic Molded (Green Clear Plastic)	SG203TA, SG213T	GaP	565
	5 ϕ Plastic Molded (Green Diffused Plastic)	SG203DA, SG213D	GaP	565
	TO-18 (Green Diffused Plastic)	SG204D	GaP	565
	3 ϕ Plastic Molded (Green Clear Plastic)	SG205T, SG215T	GaP	565
	3 ϕ Plastic Molded (Green Diffused Plastic)	SG205D, SG215D	GaP	565
Amber	5 ϕ Plastic Molded (Amber Clear Plastic)	SY403TA, SY413T	GaAsP	590
	5 ϕ Plastic Molded (Amber Diffused Plastic)	SY403DA, SY413D	GaAsP	590
	TO-18 (Amber Clear Plastic)	SY404T	GaAsP	590
	TO-18 (Amber Diffused Plastic)	SY404D	GaAsP	590
	3 ϕ Plastic Molded (Amber Clear Plastic)	SY405T, SY415T	GaAsP	590
	3 ϕ Plastic Molded (Amber Diffused Plastic)	SY405D, SY415D	GaAsP	590
Infrared	TO-18 (Clear Glass)	SE301A	GaAs	940

(ϕ in mm)

• Photo-Transistors

Package	Type No.	Features
Small Plastic Molded	PH103	High sensitivity
	PH104	High speed
TO-18 (Clear Glass)	PT8L	High reliability

• Photo-Couplers

Type No.	Package	Features
PS1001	TO-5	High reliability
PS2010	6-pin DIP	General purpose
PS2021	6-pin DIP	" ($V_{ISO} \geq 4K_{VAC}$)
PS2022	6-pin DIP	" (High CTR)

• Photo-Diodes

Type No.	Package
PH301	Metal Can

• Photo-Interrupters

Type No.	Width of Slit (mm)
PS4001	2.5
PS4003	2.5
PS4005	4.2
PS4007	4.2
PS4008	2.5
PS4009	4.2
PS4010	3.2
PS4011	3.0

Thyristors

Package		Power Mini Mold	TO-92			MP7 (TO-202AA)					MP25 (TO-220AB)		
I_T (RMS)	A		0.47	4	4	4	4.7	4.7	4.7	8	8	12	
I_T (AV)	A		0.3	2	2.5	2	3	3	3	5.1	5.1	8	
I_{TSM}	A		8	20	35	20	65	65	—	80	—	100	
T_j	$^{\circ}C$		125	110	125	110	125	125	125	110	125	125	
V_{DRM} V_{RRM}	50	V											
	60												
	100		N203YY		2P05M						5P05M		
	200		N203A		2P1M			3P1M	3P1MH		5P1M		8P1M
	300		03P2J	N203B	2P2M		2S2M	3P2M	3P2MH		5P2M		8P2M
	400			N203C			2S3M						
	500		03P4J	N203D	03P4MGC	2P4M	2V5P4M	2S4M	3P4M	3P4MH	3S4M	5P4M	5S4M
600			03P5MGC	2P5M	2V5P5M		3P5M			5P5M			
I_{GT}	mA	0.2	0.2	50 μ A	0.2	0.1	0.3	5	0.2	30	15	50	15
t_q (TYP.)	μ s	25	15	100	80	80	15	100	100	5	80	5	80