

INFRARED LEDs

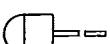
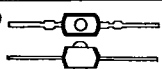
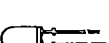
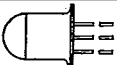
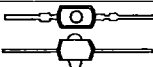
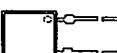
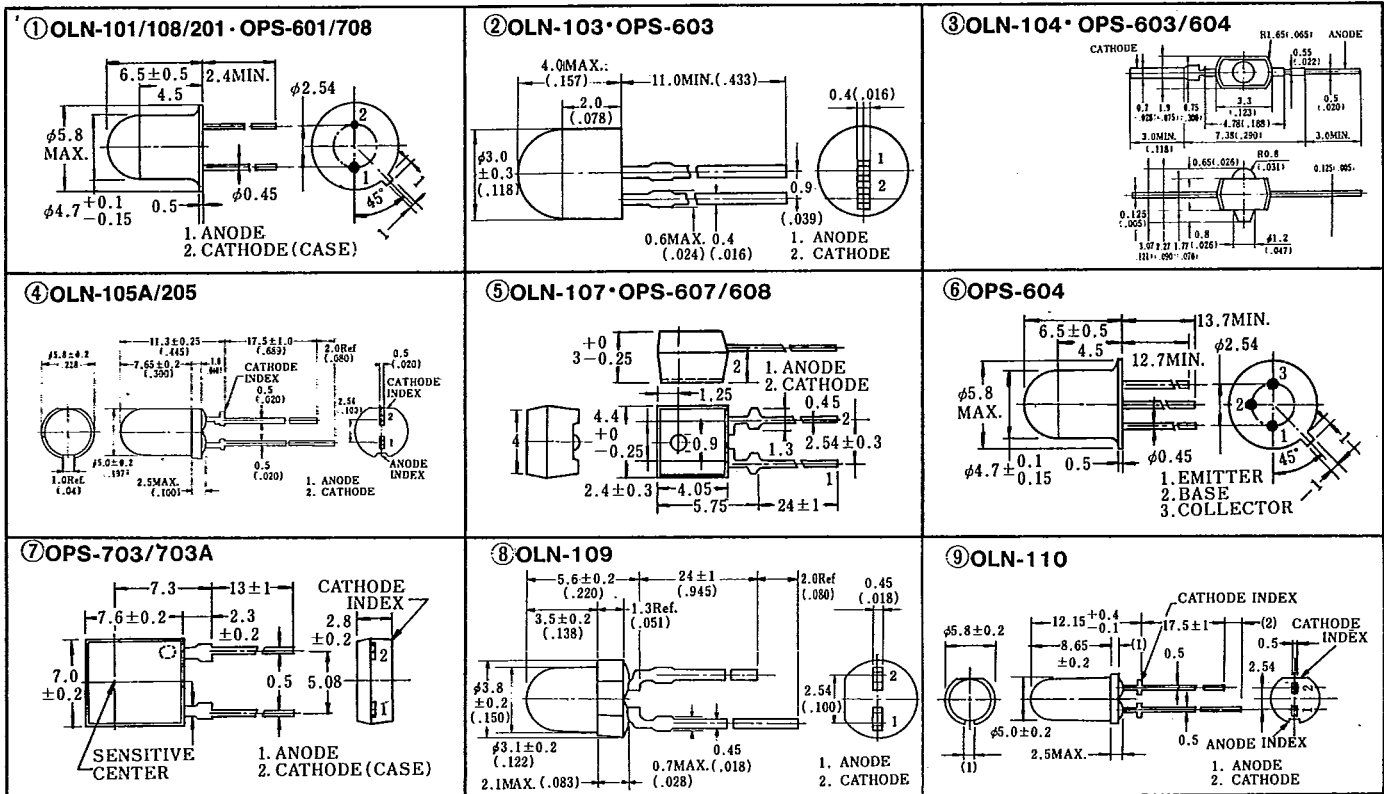
Outline Shape	Part Number	Stem	Material	Characteristics (Ta=25°C)							Absolute Max. Ratings (Ta=25°C)			Angular Emission Pattern (p.7)	Pair Detector Device
				Radiation Power Po(mw)		Radiation Intensity Ie(mW/sr)		Forward Voltage VF(V)		Peak Em. Wave Length λp	If(mS)	ΔIf/°C (mA/°C)	Topr(°C)		
				If(mA)	Typ	If(mA)	Typ	If(mA)	Typ						
	OLN-101	Metal	GaAs	50	1.8	50	10	50	1.2	940	100	-1.0	-30 125	①	OPS-601 OPS-604 OPS-614 OPS-708
	OLN-108	Metal	GaAs	10	0.6	10	4	50	1.2	880	100	-0.8			
	OLN-201	Metal	GaAlAs	50	1.8	50	10	50	1.5	—	100	—			
	OLN-103	Ceramic	GaAs	20	2.5	20	1.2	10	1.15	940	40	-0.53	-20 75	②	OPS-603 OPS-613
	OLN-113	Ceramic	GaAs	20	2.5	20	2	10	1.15	940	40	-0.53			
	OLN-104	Mold	GaAs	20	3.0	20	1.5	10	1.13	940	40	-0.53	-20 75	③	OPS-605 OPS-606
	OLN-105A	Mold	GaAs	50	9.5	50	12	100	1.3	940	100	-1.34	-20 75	④	OPS-610 OPS-703 OPS-703A
	OLN-205	Mold	GaAlAs	50	10	50	40	50	1.5	880	100	-1.34			
	OLN-107	Mold	GaAs	20	2.0	20	0.8	10	1.15	940	50	-0.33	-25 85	⑤	OPS-607 OPS-608
	OLN-109	Mold	GaAs	10	1.3	10	1.5	20	1.2	940	40	-0.53	-20 80	⑥	OPS-603
	OLN-110	Mold	GaAs	50	9.0	50	30	100	1.3	940	100	-1.34	-20 75	⑦	OPS-703 OPS-703

PHOTO TRANSISTOR AND PHOTO DIODES

Outline Shape	Part Number	Stem	Material	Characteristics (Ta=25°C)						Absolute Max. Ratings (Ta=25°C)			Radiation and Sensitivity Pattern (p.7)	Pair Emitter Device
				Light Current IL(mA)		Dark Current ID(nA)		Collector-Emitter Voltage VCE(V)	VCE(V)	VCE(V)	Pc(mW)	Topr(°C)		
				E(mw cm²)*	Typ	Typ	Typ							
	OPS-601	Metal	Si-NPN Epitaxial	0.1	0.3	30	10	40	40	150	-30 125	①	OLN-101 OLN-108 OLN-201	
	OPS-603	Ceramic	Si-NPN Epitaxial	0.1	0.02	10	10	20	20	75	-20 75	②	OLN-103 OLN-109 OLN-113	
	OPS-604	Metal	Si-NPN Epitaxial	0.1	0.3	30	10	40	40	150	-30 125	⑥	OLN-101 OLN-108 OLN-201	
	OPS-605	Mold	Si-NPN Epitaxial	0.01	1.0	16	30	30	30	75	-25 85	③	OLN-104	
	OPS-606	Mold	Si-NPN Epitaxial	0.1	0.02	10	10	20	20	50	-20 75	③	OLN-104	
	OPS-607	Mold	Si-NPN Epitaxial	0.1	2	16	30	30	30	75	-25 85	⑤	OLN-107	
	OPS-608	Mold	Si-NPN Epitaxial	0.1	0.05	24	5	30	30	75	-25 85	⑤	OLN-107	
	OPS-703	Mold	Si-NPN	0.1	1.5 μA (Isc)	10 (VR)	1	20 (VR)	20 (VR)	150 (PD)	-30 80	⑦	OLN-105 OLN-110 OLN-205	
	OPS-703A	Mold	Si-NPN Epitaxial	0.1	1.5 μA (Isc)	10 (VR)	1	20 (VR)	20 (VR)	150 (PD)	-30 60	⑦	OLN-105 OLN-110 OLN-205	
	OPS-708	Metal	Si-NPN	0.1	3 μA (Isc)	10 (VR)	0.01	50 (VR)	50 (VR)	100 (PD)	-40 125	①	OLN-101 OLN-108 OLN-201	

OUTLINE



RADIATION AND SENSITIVITY PATTERN

Ta=25°C

