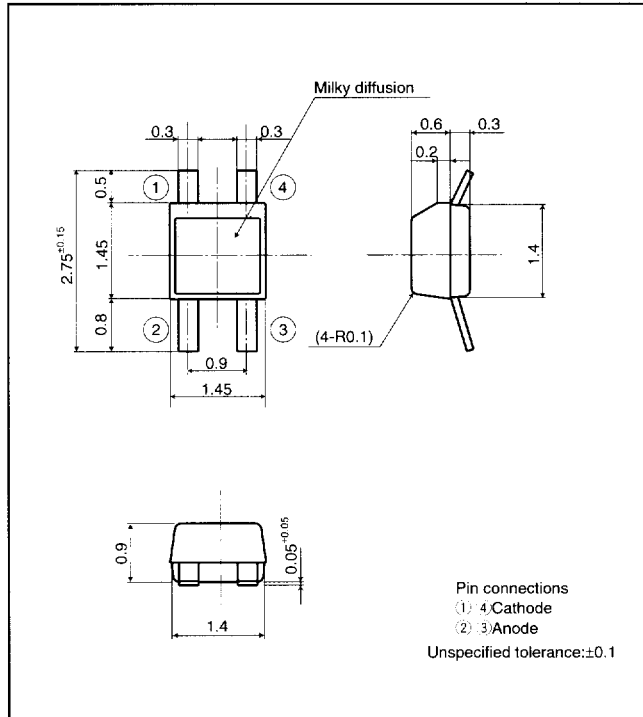


LT1□73A series

2.75×1.45mm, 0.9mm Thickness, Compact Milky Diffusion Chip LED Devices

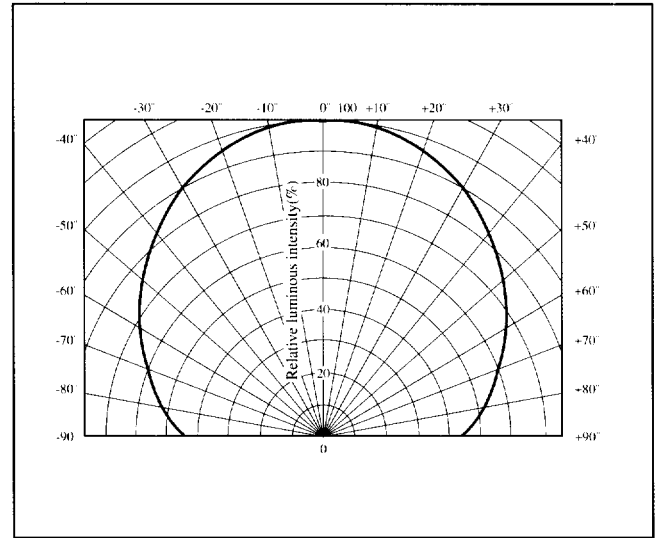
Outline Dimensions

(Unit : mm)



Radiation Diagram

(Ta=25°C)



T type: Polarity faces in the opposite direction.

Absolute Maximum Ratings

(Ta=25°C)

Model No.	Radiation color	Radiation material	Power dissipation P (mW)	Forward current IF (mA)	Peak forward current IFM*1 (mA)	Derating factor (mA/°C)		Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)	Soldering temperature Tsol*2 (°C)
						DC	Pulse				
LT1T73A	Red(High-Luminosity)	GaAlAs on GaAs	66	30	50	0.40	0.67	5	-25 to +85	-25 to +100	350
LT1P73A	Red	GaP	23	10	50	0.13	0.67	5	-25 to +85	-25 to +100	350
LT1D73A	Red	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	350
LT1S73A	Sunset orange	GaAsP on GaP	85	30	50	0.40	0.67	5	-25 to +85	-25 to +100	350
LT1H73A	Yellow	GaAsP on GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	350
LT1E73A	Yellow-green	GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	350
LT1K73A	Green	GaP	50	20	50	0.27	0.67	5	-25 to +85	-25 to +100	350

*1 Duty ratio=1/10, Pulse width=0.1ms

*2 For 3s or less at the temperature of hand soldering. Temperature of reflow soldering is shown on the page 7.

Electro-optical Characteristics

(Ta=25°C)

Lens type	Model No.	Forward voltage VF(V)		Peak emission wavelength λp(nm)		Luminous intensity Iv(mcd)		Spectrum radiation bandwidth Δλ(nm)		Reverse current IR(μA)		Terminal capacitance Ct(pF)		Page for characteristics diagrams
		TYP	MAX	TYP	IF (mA)	TYP	IF (mA)	TYP	IF (mA)	MAX	VR (V)	TYP	(MHz)	
Milky diffusion	LT1T73A	1.75	2.2	660	20	7.0	20	20	20	10	4	30	1	137
	LT1P73A	1.9	2.3	695	5	1.2	5	100	5	10	4	55	1	138
	LT1D73A	2.0	2.8	635	20	9.0	20	35	20	10	4	20	1	138
	LT1S73A	2.0	2.8	610	20	7.8	20	35	20	10	4	15	1	139
	LT1H73A	1.9	2.5	585	10	3.7	10	30	10	10	4	35	1	139
	LT1E73A	1.95	2.5	565	10	4.7	10	30	10	10	4	35	1	140
	LT1K73A	1.95	2.5	555	10	1.9	10	25	10	10	4	40	1	140