

Round Type

T-41-21

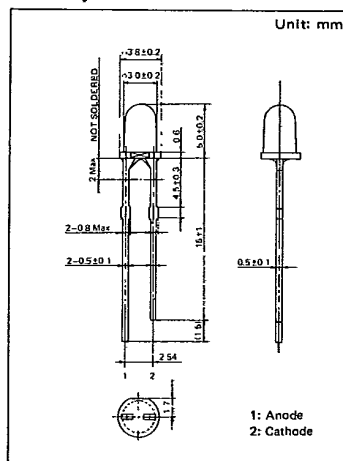
(Standard Lead Type)

T-1 Series (Green Amber)

- Characteristics: 1. Lighting surface T-1 round type
2. Many lens color variations
3. High reliability, long life

Absolute Maximum Ratings (Ta = 25°C)

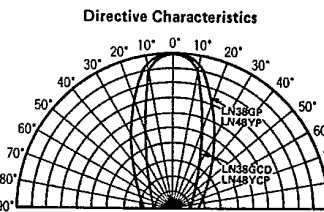
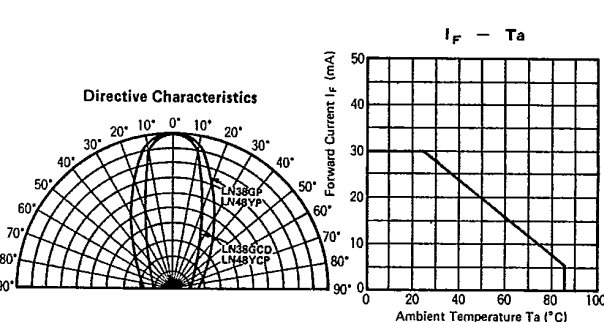
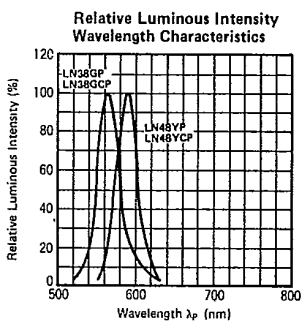
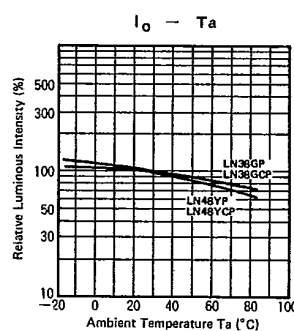
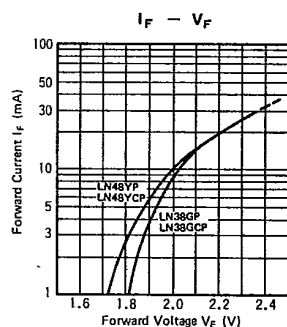
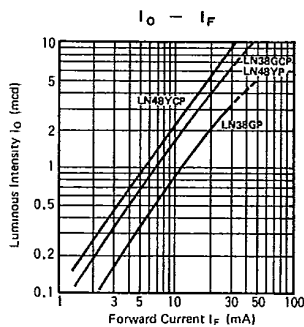
Lighting Color	PO(mW)	IF(mA)	IFM(mA)	VR(V)	Topt(°C)	Tstg(°C)
Green	90	30	40	4	-25~+85	-30~+100
Amber	90	30	40	4	-25~+85	-30~+100



Electro-Optical Characteristics (Ta = 25°C)

Type No.	Lens Color	Io			VF		λp	Δλp	IF	IR	VR
		Typ.	Min.	IF	Typ.	Max.					
LN38GP	Green Diffused	2.0	0.7	20	2.2	2.8	565	30	20	10	4
LN38GCP	Green Clear	4.0	1.0	20	2.2	2.8	565	30	20	10	4
LN48YP	Amber Diffused	4.0	1.4	20	2.2	2.8	590	30	20	10	4
LN48YCP	Amber Clear	6.0	—	20	2.2	2.8	590	30	20	10	4
Unit	—	mod	mod	mA	V	V	nm	nm	mA	μA	V

△ Tentative specification



Round Type

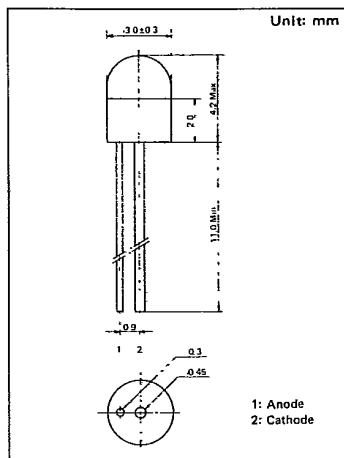
T-41-21

Mini T-1 Series

- Characteristics: 1. Lighting surface T-1 round type
2. High radiation
3. High reliability, long life

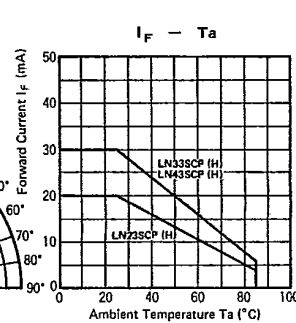
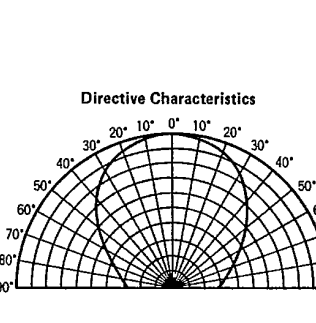
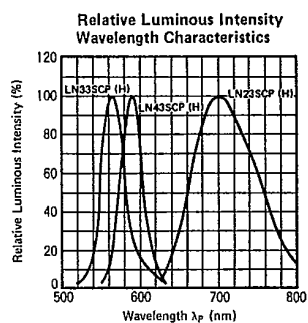
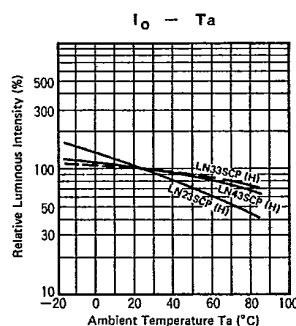
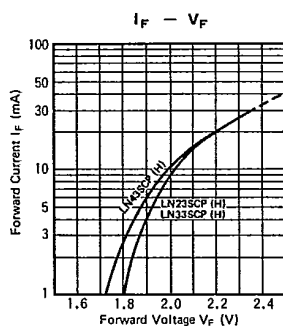
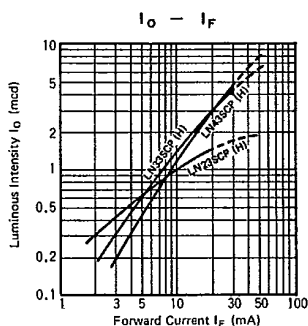
Absolute Maximum Ratings (Ta = 25°C)

Lighting Color	P _O (mW)	I _F (mA)	I _{FM} (mA)	V _R (V)	T _{opr} (°C)	T _{stg} (°C)
Red	55	20	25	4	-25~+85	-30~+100
Green	90	30	40	4	-25~+85	-30~+100
Amber	90	30	40	4	-25~+85	-30~+100



Electro-Optical Characteristics (Ta = 25°C)

Type No.	Lens Color	I _O			V _F		λ _p	Δλ _p	I _F	I _R		V _R
		Typ.	Min.	I _F	Typ.	Max.				Max.	μA	
LN23SCP(H)	Clear	1.3	0.8	15	2.2	2.8	700	100	20	5		4
LN33SCP(H)	Green Clear	3.0	2.0	20	2.2	2.8	565	30	20	10		4
LN43SCP(H)	Clear	3.0	2.0	20	2.2	2.8	590	30	20	10		4
Unit	—	mod	mod	mA	V	V	nm	nm	mA	μA		V



Round Type

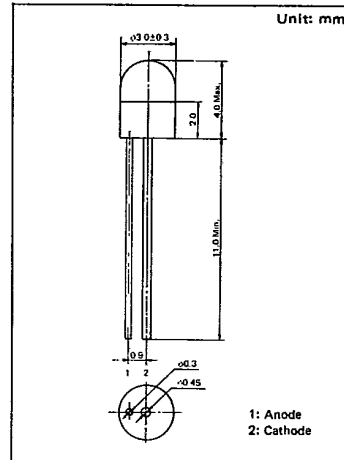
T-41-21

Mini T-1 Series

- Characteristics: 1. Lighting surface T-1 round type
2. Wire directivity
3. High reliability, long life

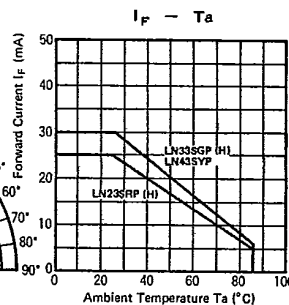
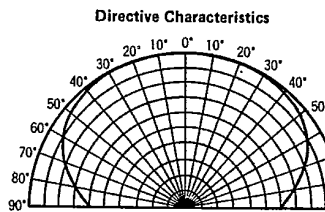
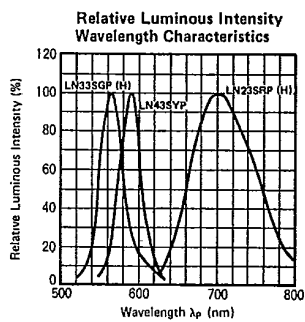
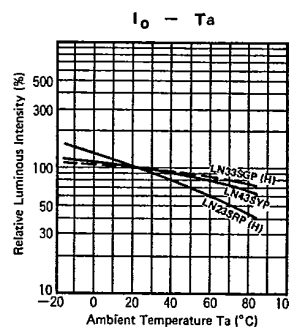
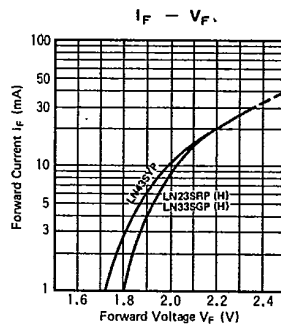
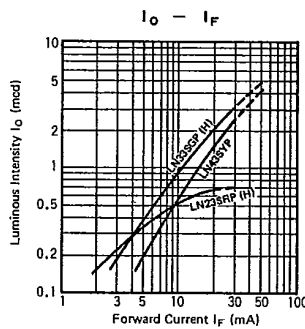
Absolute Maximum Ratings (Ta = 25°C)

Lighting Color	P _D (mW)	I _F (mA)	I _{FM} (mA)	V _R (V)	Topr(°C)	Tstg(°C)
Red	70	25	30	4	-25~+85	-30~+100
Green	90	30	40	4	-25~+85	-30~+100
Amber	90	30	40	4	-25~+85	-30~+100



Electro-Optical Characteristics (Ta = 25°C)

Type No.	Lens Color	I ₀			V _F		λ _p	Δλ _p	I _F	I _R	
		Typ.	Min.	I _F	Typ.	Max.				Max.	V _R
LN23SRP(H)	Red Diffused	0.6	0.3	15	2.2	2.8	700	100	20	5	4
LN33SGP(H)	Green Diffused	2.0	0.4	20	2.2	2.8	565	30	20	10	4
LN43SYP	Amber Diffused	1.5	0.2	20	2.2	2.8	590	30	20	10	4
Unit	—	mod	mod	mA	V	V	nm	nm	mA	μA	V



Round-Top View Type

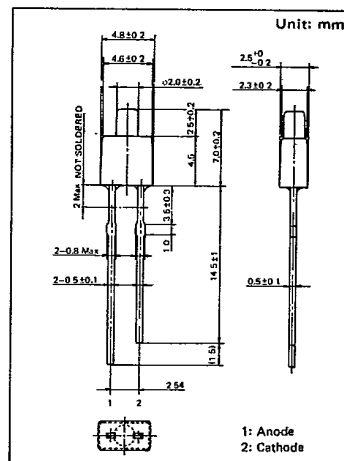
T-41-23

Round-Top View 2mm Series

- Characteristics: 1. Lighting surface 2.0mm round-top view type
2. Suitable for many LED use
3. High reliability, long life

Absolute Maximum Ratings (Ta = 25°C)

Lighting Color	P _D (mW)	I _F (mA)	I _{FM} (mA)	V _R (V)	Topr(°C)	Tstg(°C)
Red	70	25	30	4	-25~+85	-30~+100
Green	90	30	40	4	-25~+85	-30~+100
Amber	90	30	40	4	-25~+85	-30~+100



Electro-Optical Characteristics (Ta = 25°C)

Type No.	Lens Color	I _O			V _F		λ _p	Δλ _p	I _F	I _R	
		Typ.	Min.	I _F	Typ.	Max.				Max.	V _R
LN230RPP	Red Diffused	0.5	0.2	15	2.2	2.8	700	100	20	5	4
LN330GPP	Green Diffused	1.5	0.6	20	2.2	2.8	565	30	20	10	4
LN430YPP	Amber Diffused	1.0	—	20	2.2	2.8	590	30	20	10	4
Unit	—	mod	mod	mA	V	V	nm	nm	mA	μA	V

△ Tentative specification

