Cylindrical LED Lamps

FEATURES

- All plastic mold type
- High intensity light emission

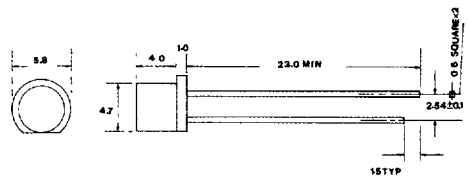


FIG. A

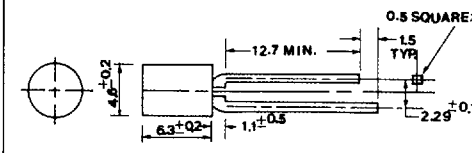


FIG. B

MAXIMUM RATINGS (Ta = 25°C)

FIG	PART NO.	FORWARD CURRENT (I_F) (mA)	REVERSE VOLTAGE (V_R) (V)	POWER DISSIPATION (P_D) (mW)	OPERATING TEMPERATURE (T_{opr}) (°C)	STORAGE TEMPERATURE (T_{stg}) (°C)
A	MT1195-R	30	3	100	-25~+85	-25~+100
A	MT1195-RG	30	5	85	-25~+85	-25~+100
A	MT2195-G	30	5	85	-25~+85	-25~+100
A	MT3195-Y	30	5	85	-25~+85	-25~+100
A	MT4195-O	30	5	85	-25~+85	-25~+100
A	MT4195-HR	30	5	85	-25~+85	-25~+100
B	MT1112-R	30	3	100	-25~+85	-25~+100
B	MT1112-RG	30	5	85	-25~+85	-25~+100
B	MT2112-G	30	5	85	-25~+85	-25~+100
B	MT3112-Y	30	5	85	-25~+85	-25~+100
B	MT4112-O	30	5	85	-25~+85	-25~+100
B	MT4112-HR	30	5	85	-25~+85	-25~+100

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

FIG	PART NO.	MATERIAL	LENS COLOR	VIEWING ANGLE	LUMINOUS INTENSITY (mcd)			FORWARD VOLTAGE (V)			REVERSE CURRENT		PEAK WAVELENGTH
				typ.	min.	typ.	@mA	typ.	max.	@mA	μA	Vr	nm
A	MT1195-R	GaAsP/GaAs	Red Diff	98°	.2	.6	10	1.7	2.0	20	100	3	655
A	MT1195-RG	GaP/GaP	Red Diff	98°	.4	.9	10	2.1	3.0	20	100	5	700
A	MT2195-G	GaP/GaP	Green Diff	98°	.9	2.3	10	2.1	3.0	20	100	5	567
A	MT3195-Y	GaAsP/GaP	Yellow Diff	98°	.8	1.9	10	2.1	3.0	20	100	5	585
A	MT4195-O	GaAsP/GaP	Orange Diff	98°	1.1	2.7	10	2.1	3.0	20	100	5	635
A	MT4195-HR	GaAsP/GaP	Red Diff	98°	1.1	2.7	10	2.1	3.0	20	100	5	635
B	MT1112-R	GaAsP/GaAs	Red Diff	100°	.2	.4	10	1.7	2.0	20	100	3	655
B	MT1112-RG	GaP/GaP	Red Diff	100°	.2	.6	10	2.1	3.0	20	100	5	700
B	MT2112-G	GaP/GaP	Green Diff	100°	.6	1.6	10	2.1	3.0	20	100	5	567
B	MT3112-Y	GaAsP/GaP	Yellow Diff	100°	.5	1.3	10	2.1	3.0	20	100	5	585
B	MT4112-O	GaAsP/GaP	Orange Diff	100°	.7	1.8	10	2.1	3.0	20	100	5	635
B	MT4112-HR	GaAsP/GaP	Red Diff	100°	.7	1.8	10	2.1	3.0	20	100	5	635

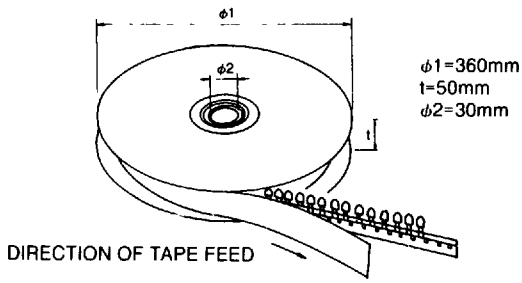
marktech 5 Hemlock Street • Latham, New York • (518) 786-6591 • FAX (518) 786-6599

APPLICATION NOTES

[4] Packaging

Reel Packaging

a) Reel type



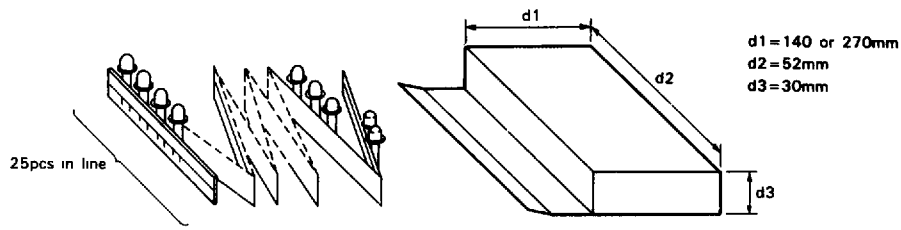
T-1 and T- 1 3/4 packages

*Lamps with external shapes other than those above are also available. Please consult Marktech.

Content

LED Type	Quantity/Reel
ϕ3 Series	2000 pcs
ϕ5 Series	1000 pcs

b) Zigzag wound tape



At tape beginning and end, there is additional space for 4 pcs or more

Content

LED Type	Quantity/Box
ϕ3 Series	2000 or 5000 pcs
ϕ5 Series	1000 or 2000 pcs