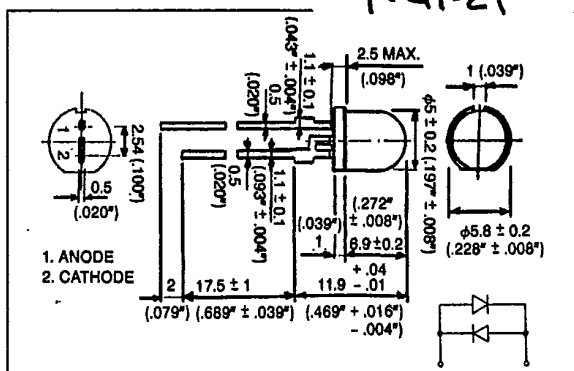


2 CHIP LED LAMP FOR AC DRIVING

FEATURES

- 2 chip antiparallel connection.
- All plastic mold type.
- Low drive current, high intensity.
- All plastic molded lens, provides an excellent on/off contrast ratio.
- Fast response time, capable of pulse operation.
- Wide radiation pattern — suitable for direct view.
- Direct driving with AC or DC input.



MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

PART NO.	FORWARD CURRENT (I_F) RMS (mA)	FORWARD CURRENT (I_F) DC (mA)	OPERATING TEMPERATURE (T_{opr}) ($^\circ\text{C}$)	STORAGE TEMPERATURE (T_{stg}) ($^\circ\text{C}$)
MT1700-HR	50	25	-20 ~ 75	-30 ~ 100
MT1700-G	50	25	-20 ~ 75	-30 ~ 100
MT1700-Y	50	25	-20 ~ 75	-30 ~ 100
MT1700-O	50	25	-20 ~ 75	-30 ~ 100
MT1710-HR	50	25	-20 ~ 75	-30 ~ 100
MT1710-G	50	25	-20 ~ 75	-30 ~ 100
MT1710-Y	50	25	-20 ~ 75	-30 ~ 100
MT1710-O	50	25	-20 ~ 75	-30 ~ 100

OPTO-ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

PART NO.	MATERIAL	LENS COLOR	VIEWING ANGLE	LUMINOUS INTENSITY (mcd/chip)				FORWARD VOLTAGE (V)			PEAK WAVELENGTH	SPEC. LINE HALF WIDTH
			typ.	min.	typ.	max.	@mA	typ.	max.	@mA	nm	nm
MT1700-HR	GaAsP/GaP	Red/Clear	90°	-	10	-	20	2.1	2.8	20	635	40
MT1700-G	GaP/GaP	Green/Clear	90°	-	20	-	20	2.1	2.8	20	565	25
MT1700-Y	GaAsP/GaP	Yellow/Clear	90°	-	10	-	20	2.1	2.8	20	585	32
MT1700-O	GaAsP/GaP	Orange/Clear	90°	-	10	-	20	2.1	2.8	20	610	35
MT1710-HR	GaAsP/GaP	Red/Diff	90°	-	6	-	20	2.1	2.8	20	635	40
MT1710-G	GaP/GaP	Green/Diff	90°	-	12	-	20	2.1	2.8	20	565	25
MT1710-Y	GaAsP/GaP	Yellow/Diff	90°	-	6	-	20	2.1	2.8	20	585	32
MT1710-O	GaAsP/GaP	Orange/Diff	90°	-	6	-	20	2.1	2.8	20	610	35



marktech 120 Broadway • Menands, New York 12204 • (518) 436-5865 • FAX: (518) 436-5877