



MASTER INSTRUMENT CORPORATION

MODEL NO. : ML37SB2F-E8A-S

PAGE: 1/1

■Features:

- HIGH EFFICIENCY, LOWPOWER CONSUMPTION I.E.D.
- PEAK WAVELENGTH IS 660nm
- 30 DEGREE VIEW ANGLE

■Applications:

- DIRECT LIGHT ONLY
- INDOOR SIGN USAGE

Dies Material	Light Color	Lens Color
GaAlAs	Super Red	Red Transparency

Absolute Ratings

(Ta=25°C)

Item	Symbol	Maximum	Unit
Power Dissipation	P _D	100	mW
Continuous Forward Current	I _F	20	mA
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Derating Linear Form 25°C		0.21	MA/°C
Operating temperature Range	Topr	-25 to +100	°C
Storage Temperature Range	Tstg	-40 to +100	°C

**Condition for IFP is pulse of 1/10 duty and 0.1 msec width.

**Solder temperature 1.6mm from body for 5 seconds at 250°C ±5°C.

CHARACTERISTIC

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	IF=20mA		1.9	2.4	V
Reverse Current	I _R	VR=5V			10	uA
Peak Emission Wavelength	λ _p	IF=20mA		660		nm
Viewing Angle	2θ _{1/2}	IF=20mA		30		Deg
Luminous Intensity	I _v	IF=20mA	80	160		med

1. Cathode
2. Anode

