



CODE M

Notes:

All dimensions are in millimeter (inch);

Tolerance is ± 0.25mm(0.01") especially other specified;

Ping length, housing color, marking no & circuit diagram can be customized;

Specifications are subject to change without notice



Chip Material: AlGaInP / GaAs Ultra Bright Red LED Chip

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	PD	72	mW
Peak Forward Current (1/10 Duty Cycle, 0.1Ms Pulse Width)	IPEAK	90	mA
DC Forward Current	IF	30	mA
Reverse Voltage	VR	5	V
Operating Temperature Range	TA	-40°C to +85°C	
Storage Temperature Range	TSTG	-40°C to +85°C	
Solder temperature 1/16 inch below seating plane for 3 seconds at 260°C			

Electrical Optical Character and Curves (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Location	Test Condition
Forward Voltage	VF	-	2.10	2.40	V	Per Segment	IF=20mA
Luminous Intensity	IV	48.0	53.0	59.0	mcd	Per Segment	IF=20mA
Peak Emission Wavelength	λ_p	-	645	-	nm	Per Segment	IF=20mA
Dominant Emission Wavelength	λ_d	626	631	636	nm	Per Segment	IF=20mA
Spectral Line Half-Width	$\Delta\lambda_{1/2}$	-	20	-	nm	Per Segment	IF=20mA
Capacitance	C	-	95	-	pF	Per Segment	VF=0V; f=1Mhz
Reverse Current	IR	-	-	10	uA	Per Segment	VR=5V

Note:

Luminous intensity tolerance is $\pm 10\%$;

Dominant Emission Wavelength tolerance is $\pm 5\%$