



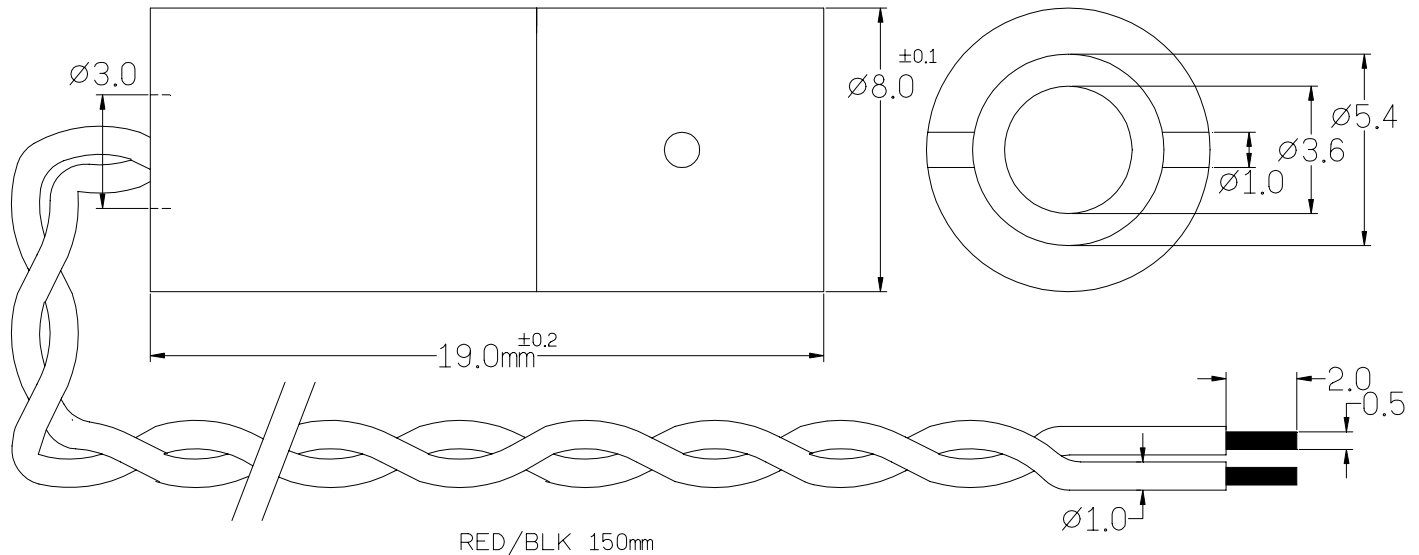
EVERLIGHT ELECTRONICS CO, LTD.

Device Number : DLD-650-202 REV : 1.0

MODEL NO : EL65-M2-A

ECN : _____ Page : 1/2

■ PACKAGE DIMENSIONS :



RED/BLK 150mm

TOL IS ± 0.05 mm

EL65-M1-A

LASER POINTER DRIVER

APC CIRCUIT

NOTES:

1. All dimensions are in millimeters.
2. PCB material is FR-4.
3. Head material Copper , Plastic window.

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■ Optical & Electrical Characteristics (Tc=25°C)

CHARACTERISTICS	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Threshold Current	Ith		-	20	-	mA
Output Power	Po	Kink free	-	-	1	mW
Operating Current	Iop	Po=1mW	-	22	45	mA
LD Moudle Operating Voltage	Vop	Po=1mW	-	3.0	-	V
Lasing Wavelength	λ_p	Po=1mW	-	650	670	nm
Beam Divergence	$\theta_{\perp}$	Po=1mW,FWHM	-	35	-	deg
	$\theta_{//}$	Po=1mW,FWHM	-	8	-	deg

■ Absolute Maximum Ratings (Tc=25°C)

CHARACTERISTICS	SYMBOL	RATED VALUE	UNIT
Optical Output Power	Po	3	mW
LD Reverse Voltage	Vr(LD)	2	V
Operation Temperature	Top	-10~40	°C
Storage Temperature	Tstg	-40~80	°C

* SCAN Po=7mW

$$Q_e = 2\text{mW}/[I(5\text{mW})-I(3\text{mW})] \quad \text{Unit: W/A}$$
$$= 0.72\text{W/A}$$

* TEST CONDITION Po=1mW

Iop : 18.05mA	Ith : 17.3mA	Im : -	Vop : 3.0V
Qe : -	Rs : 85.02	WL_P : 657.6nm	Mode: : DC
Kink : -	Result : OK	-----	-----