



Single-mode Fiber Coupled Low Cost Red Laser Diode

Key Features:
Mini Size
Low Cost
High Reliability

Applications:
Laser Pointer
Laser Display
Test and Measurement Source
Survey Equipments

Model Number	FRSML-01	FRSML-05
Optical Parameters		
Peak Wavelength ①	635nm	636 nm
Output Power from Fiber	1mW	5mW
Power Stability (8hrs)	APC, @ constant temp	<+/-5%
Operating Temperature (Case)	-10~40 deg C	
Fiber Coupling Efficiency	25%	
Mode Quality (M2)	<1.1	
Electrical Parameters		
Laser Operating Mode	APC	
LD Operating Current	<30mA	<105mA
LD Working Voltage	<2.3V	<2.7V
Photo Diode	Internal included	
Fiber Parameters		
Fiber Type	4.0/125μm SM Fiber	
Fiber Numerical Aperture	0.13	
Mechanical Parameters		
Laser Dimensions	Length	26 mm
	Diameter	8 mm
Reliability		
Operating Humidity	5%~85% R.H.	
Storage Temperature	-40 to +85 deg C	
Expected Lifetime (MTTF)	>10000hrs	

① Can be Customized.

Order Information:

FRSML — WWW — PP — LL — JJ — TT

WWW: Peak Wavelength	635=635 nm
	636=636 nm
	000= To be Customized
PP: Output Power from Fiber	01=1mW
	05=5mW
	00= To be Customized
LL: Fiber Length	05=0.5M
	10=1M
	15=1.5M
	20=2M
	00= To be Customized
JJ: Fiber Jacket (diameter)	01= 900 μ m black buffer
	02=2.8mm PVC Jacket
	00= To be Customized
TT: Fiber Termination	01=No Connector
	02= FC/APC Connector
	00= To be Customized

Mechanical Drawing

