



## FRSM-660-30

### Key Features:

Low Cost  
 Mini Size  
 High Reliability  
 High Stability

### Applications:

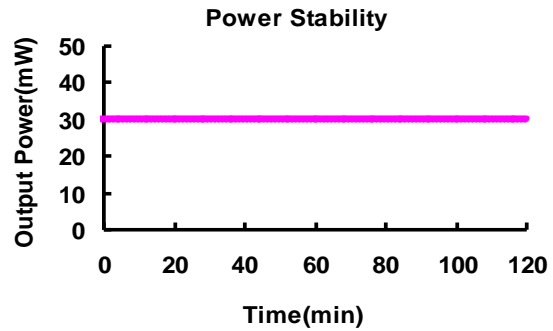
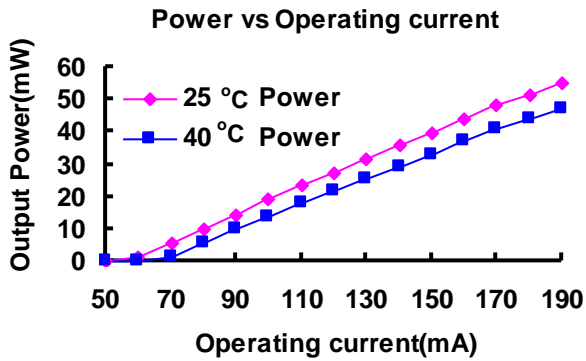
Laser Pointer  
 Laser Display  
 Test and Measurement Source  
 Survey Equipments

Model Number		FRSM-660-30			
Optical Parameters		Specs			Conditions
		Min	Typ	Max	
Wavelength		652nm	660nm	664nm	
Output Power		28mW	30mW <sup>①</sup>	35mW	At 25 °C
Power Stability (2hours @ Constant Temp)		+/-0.5%	+/-1%	+/-2.5%	
Operating Temperature (Case)		-	-	-10~+40 °C	ACC
M-Square		-	-	1.1	
Fiber Coupling Efficiency		40%	50%	55%	
<b>Electrical Parameters</b>					
LD Working Current		-	122 mA <sup>②</sup>	210mA	
LD Working Voltage		-	2.4V	3.0V	
Laser Operating Mode		-	ACC	-	
<b>Fiber Parameters</b>					
Fiber Type		-	4.0/125µm SM Fiber	-	
Fiber Numerical Aperture		-	0.13	-	
<b>Mechanical Parameters</b>					
Laser Head Dimensions	Length	-	28.35mm	-	
	Diameter	-	8mm	-	
<b>Reliability</b>					
Operating Humidity		-	5%~85% R.H.	-	
Storage Temperature		-	-40 to +85 °C	-	
Shock		150m/s <sup>2</sup> , 6ms, semisinusoidal, 4000 shocks, z-axis 75m/s <sup>2</sup> , 6ms, semisinusoidal, 1000 shocks, x,y-axis			
Vibration		Amplitude = ±0.75mm, 10 Hz to 57 Hz sinusoidal, 20 cycles per axis Acceleration 1g, 57 to 500 Hz sinusoidal, Sweep Rate 1 Oct/min			
Expected Lifetime (MTTF)		10000hrs	-	-	Room temperature

Note: <sup>①</sup>1~40mW is optional

<sup>②</sup>30mW at 25 °C

## Typical Output Performance



## FRSM-660-30-LL-JJ-TT

<b>LL:</b> Fiber Length	05=0.5M
	10=1M
	00= To be Customized
<b>JJ:</b> Fiber Jacket (diameter)	01= 900μm buffer
	02=2.8mm PVC Jacket
	00= To be Customized
<b>TT:</b> Fiber Termination	01=No Connector
	02= FC/APC Connector
	03= FC/PC Connector
	04=SMA Connector
	00= To be Customized

## Dimensions and Pin Configuration (Unit: mm)

