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1894SA – 650 & 635D

## Miniature Size Red Laser Module



- Dia 4mm ultra small laser module
- Widely working temperature range
- Application to consumer electronics products / industrial measurement application / construction leveling tool etc...

### Specification

#### Optical Specification

P/N		1894SA-635D		1894SA-650D	
PO	CW Optical Power	< 5 mW	< 1 mW	< 5 mW	< 1 mW
$\lambda$ P	Wavelength at Peak Emission	630 ~ 640 nm		640 ~ 660 nm	
Vop	Operating Voltage	2.7 ~ 6.0 V			
Lop	Operating Current	< 50 mA			
TOP	Operating Temp. Range	-10° C ~ +40° C		-10° C ~ +50° C	
TSTG	Storage Temp. Range	-20° C ~ +60° C			
Housing		Brass			
Collimating lens		Aspheric/GLASS Plastic			
Beam Spot Size at 15m/25° room temp.		<20 x 20mm			
Divergence Angle		<±3°			
MTTF		4,000 hrs		10,000 hrs	

- \* Option :
- Class 2 - less than 1 mW
  - Class 3R - less than 5 mW

