

Z-LASER

Intelligent Solutions in Light

ZM18T3

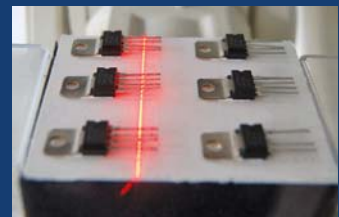
- » Electronically stabilized wavelength
- » IR, red, green or blue wavelengths
- » Optical output power up to 200mW
- » Gaussian/uniform line, dot optic, and various DOE optics
- » 5 to 30VDC supply voltage with reverse polarity protection
- » Digital TTL Trigger up to 500kHz

Machine Vision

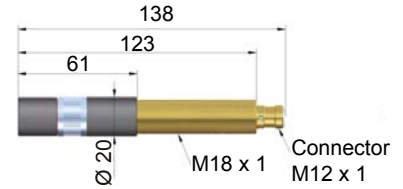
3D Measurement

Metrology

Medical



ZM18T3



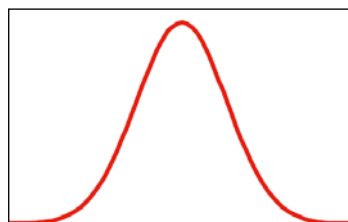
Mechanical specifications	
Dimensions	138mm x Ø 20mm (focusable version) / 123mm x Ø 20mm (fixed focus version)
Housing	M18 industry housing, gold-plated brass; optic head: anodised aluminium
IP rating	IP67
Weight	102g (focusable version)
Electrical isolation	Potential-free housing
Connection	M12x1, 4-pin
Electrical specifications	
Supply voltage	5 to 30VDC
Operation mode	APC
Modulation	TTL modulation up to 500kHz
Protection	Reverse polarity and transient protection / ESD, overtemperature protection and LED pre-failure indicator
Optical specifications	
Wavelength	405nm, 450nm, 520nm, 640nm, 660nm, 785nm, 808nm, 830nm
Output power	Up to 200mW
Wavelength stability	< ±1nm
Power stability	< 1%
Focus range	100mm up to ∞
Pointing stability	< 10µrad / °C
Line (Gaussian profile)	3°, 5°, 10°, 15°, 20°, 30°, 90°
Line (homogeneous intensity profile)	10°, 20°, 30°, 45°, 60°, 75°, 90°
Dot	Elliptical or circular
Environmental conditions	
Case temperature	-40°C up to +55°C (heat dissipation e.g. with mounting H8-M18)
Storage temperature	-40°C up to +80°C
Humidity	Max. 90%, non-condensing

CE CE-Conformity according to the directives 2004/108/EC and 73/23/ECC.

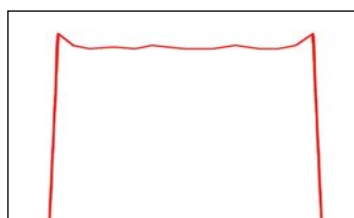
Accessories



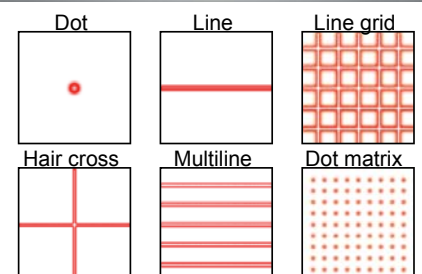
Gaussian profile



Homogeneous profile



Optics



Order code

Z X M18T3 - X - X - X

