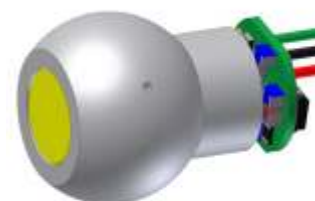


Standard Laser Diode Modules and Collimators



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Adjustable focus



Applications: - Positioning
- Metrology

Features: - Threaded focus adjustment

D (mm)	11
L (mm)	29 ¹⁾
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C				
Modul IMM-1129F-	635-1-E-K	635-5-E-K	650-1-E-K	650-5-E-K
Order number	1206000021	1206000022	1206000023	1206000024
Wave length	635 nm	635 nm	650 nm	650 nm
Optical output power	< 1 mW	< 5 mW.	< 1 mW	< 5 mW
Beam diameter @ 1/e ²	3.4 x 0.8 mm	3.4 x 0.8 mm	3.4 x 0.8 mm	3.4 x 0.8 mm
Operating current	50 mA max.	85 mA max.	50 mA max.	75 mA max.
Beam divergence	0.8 mrad max.	0.8 mrad max.	0.8 mrad max.	0.8 mrad max.
Beam deviation	25 mrad max.	25 mrad max.	25 mrad max.	25 mrad max.
Laser protection class	2	3R	2	3R
Operating voltage Vcc	5 V DC	5 V DC	5 V DC	5 V DC
Focal length range	20 mm min.	20 mm min.	20 mm min.	20 mm min.
Operating temperature	0 °C to 40 °C	5 °C to 50 °C	5 °C to 65 °C	5 °C to 65 °C
Storage Temperature	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C
Lens type	Aspherical polymer lens			
Casing	Aluminium black anodized			
Beam setting	Adjustable focus			

Adjustable focus with plastic lens

- Applications:**
- Industrial alignment
 - Positioning
 - Light barriers
 - Metrology
 - Construction laser applications
 - Triangulation

- Features:**
- Modulation / Power adjustment via analog input
Standard: 0 - 25 kHz, Optional up to 300 kHz
 - Threaded focus adjustment
 - Diaphragm¹⁾
 - Insulated casing



D (mm)	12
L (mm)	55 ²⁾
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C				
Modul IMM-1255-FB-	635-5-E-K-L	635-28-E-K-L	650-1-E-K-L	658-28-E-K-L658
Order number	1206000003	1206000005	1206000007	1206000011
Wave length	635 nm	638 nm	650 nm	658 nm
Optical output power	< 5 mW	28 mW _{max.}	< 1 mW	28 mW _{max.}
Beam diameter @ 1/e ²	3.4 x 0.8 mm	2 x 0.9 mm	3.4 x 0.8 mm	2 x 0.9 mm
Beam diameter @ 1/e ² @ 20mm	70 µm	70 µm	80 µm	100 µm
Operating current	90 mA _{max.}	140 mA _{max.}	55 mA _{max.}	95 mA _{max.}
Beam divergence	0.8 mrad _{max.}	0.8 mrad _{max.}	0.8 mrad _{max.}	0.8 mrad _{max.}
Beam deviation	25 mrad _{max.}	25 mrad _{max.}	25 mard _{max.}	25 mrad _{max.}
Laser protection class	3R @ max. P _{opt}	3B @ max. P _{opt}	2 @ max. P _{opt}	3B @ max. P _{opt}
Operating voltage Vcc	5 V DC	5 V DC	5 V DC	5 V DC
Focal length range	20 mm _{min.}	20 mm _{min.}	20 mm _{min.}	20 mm _{min.}
Operating temperature	5 °C to 50 °C	5 °C to 50 °C	5 °C to 65 °C	5 °C to 60 °C
Storage Temperature	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C
Lens type	Aspherical polymer lens			
Casing	Aluminium black anodized			
Beam setting	Adjustable focus			

Adjustable focus with glass lens

- Applications:**
- Industrial alignment
 - Positioning
 - Light barriers
 - Metrology
 - Construction laser applications
 - Triangulation

- Features:**
- Modulation / Power adjustment via analog input
Standard: 0 - 25 kHz, Optional up to 300 kHz
 - Threaded focus adjustment
 - Diaphragm¹⁾
 - Insulated casing



D (mm)	12
L (mm)	55 ²⁾
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C				
Modul IMM-1255-FB-	635-1-E-G-L	635-28-E-G-L	650-1-E-G-L	658-28 -E-G-L
Order number	1206000002	1206000006	1206000008	1206000012
Wave length	635 nm	638 nm	650 nm	658 nm
Optical output power	< 1 mW	28 mW _{max.}	< 1 mW	28 mW _{max.}
Beam diameter @ 1/e ²	3.4 x 0.8 mm	2.5 x 0.9 mm	3.4 x 0.8 mm	2.5 x 0.9 mm
Beam diameter @ 1/e ² @ 20mm	80 µm	120 µm	90 µm	65 µm
Operating current	55 mA _{max.}	140 mA _{max.}	55 mA _{max.}	95 mA _{max.}
Beam divergence	0.8 mrad _{max.}	0.8 mrad _{max.}	0.8 mrad _{max.}	0.8 mrad _{max.}
Beam deviation	25 mrad _{max.}	25 mrad _{max.}	25 mrad _{max.}	25 mrad _{max.}
Laser protection class	2 @ max. P _{opt}	3B @ max. P _{opt}	2 @ max. P _{opt}	3B @ max. P _{opt}
Operating voltage Vcc	5 V DC	5 V DC	5 V DC	5 V DC
Focal length range	20 mm _{min.}	20 mm _{min.}	20 mm _{min.}	20 mm _{min.}
Operating temperature	-10 °C to 40 °C	-10 °C to 50 °C	-10 °C to 70 °C	-10 °C to 60 °C
Storage Temperature	-25 °C to 70 °C	-20 °C to 70 °C	-25 °C to 85 °C	-25 °C to 85 °C
Lens type	Aspherical glass lens			
Casing	Aluminium black anodized			
Beam setting	Adjustible focus			

Collimated

Applications: - Positioning
 - Construction laser applications



Features: - Modulation / Power adjustment via analog input
 Standard: 0 - 25 kHz, Optional up to 300 kHz

D (mm)	10
L (mm)	40
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C				
Modul IMM-1040-	635-1-R-K-L	635-3-R-K-L	650-1-R-K-L	785-0,57-R-K-L
Order number	1206000013	1206000014	1206000015	1203000099
Wave length	635 nm	635 nm	650 nm	788 nm
Optical output power	< 1 mW	3 mW _{max.}	< 1 mW.	0.50 mW
Beam diameter @ 1/e ²	Ø2 mm	Ø2 mm	Ø2 mm	Ø2 mm
Operating current	70 mA _{max.}	90 mA _{max.}	55 mA _{max.}	85 mA _{max.}
Beam divergence	0.5 mrad _{max.}	0.5 mrad _{max.}	0.5 mrad _{max.}	0.5 mrad _{max.}
Beam deviation	10 mrad	10 mrad	10 mrad	10 mrad
Laser protection class	2 @ max. P _{opt}	3R @ max. P _{opt}	2 @ max. P _{opt}	1 @ max. P _{opt}
Operating voltage Vcc	5 V DC	5 V DC	5 V DC	5 V DC
Operating temperature	-10 °C to 40 °C	-10 °C to 50 °C	-10 °C to 70 °C	-10 °C to 60 °C
Storage temperature	-25 °C to 85 °C	-25 °C to 85 °C	-25 °C to 85 °C	-25 °C to 85 °C
Lens type	Aspherical polymer lens			
Casing	Aluminium black anodized			
Beam setting	Collimated			

Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)
 Note: The above product specifications are subject to change without notice.

Collimated



- Applications:**
- Positioning
 - Light barriers
 - Construction laser applications

- Features:**
- Small dimension

D (mm)	10
L (mm)	20
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C				
Modul IMM-1020-	635-1-E-K	635-5-E-K	650-1-E-K	650-5-E-K
Order number	1206000017	1206000018	1206000019	1206000020
Wave length	635 nm	635 nm	650 nm	650 nm
Optical output power	< 1 mW	< 5 mW	< 1 mW	< 5 mW
Beam diameter @ 1/e ²	3.4 x 0.8 mm	3.4 x 0.8 mm	3.4 x 0.8 mm	3.4 x 0.8 mm
Operating current	65 mA max.	85 mA max.	55 mA max.	75 mA max.
Beam divergence	0.8 mrad max.	0.8 mrad max.	0.8 mrad max.	0.8 mrad max.
Beam deviation	25 mrad max.	25 mrad max.	25 mrad max.	25 mrad max.
Laser protection class	2	3R	2	3R
Operating voltage Vcc	4 V DC	4 V DC	4 V DC	4 V DC
Operation temperature	5 °C to 40 °C	5 °C to 50 °C	5 °C to 65 °C	5 °C to 65 °C
Storage temperature	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C
Lens type	Aspherical polymer lens			
Casing	Aluminium black anodized			
Beam setting	Collimated			

Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)

Note: The above product specifications are subject to change without notice.

Special wavelengths

- Applications:**
- Biomedical
 - Spectroscopy
 - Wavelength dependent measurement



- Features:**
- Insulated casing
 - Modulation input¹⁾

D (mm)	12
L (mm)	55
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C				
Modul IMM-1255H-	405-2,5-R-G	808-50,0-R-G-L	1060-40-R-G	905-8-E-K-L
Order number	1203000049	1203000052	1203000145	1203000182
Wave length	405 nm	808 nm	1060 nm	905 nm
Optical output power	2.3 mW	45 mW	35 mW	7 mW
Beam diameter @ 1/e ²	Ø1 mm	Ø2 mm	Ø2 mm	3.4 x 1.4 mm
Operating current	65 mA max.	250 mA max.	170 mA max.	65 mA max.
Beam divergence	0.8 mrad max.	0.8 mrad max.	0.8 mrad max.	0.3 mrad max.
Beam deviation	3 mrad	5 mrad	5 mrad	5 mrad
Laser protection class	3R	3B @ max. P _{opt}	3B	3B @ max. P _{opt}
Operating voltage V _{cc}	9.5 V DC	5 V DC	4.5 V DC	5 V DC
Operation temperature	0 °C to 60 °C	-10 °C to 50 °C	5 °C to 40 °C	5 °C to 65 °C
Storage temperature	-25 °C to 70 °C	-25 °C to 85 °C	-25 °C to 60 °C	-25 °C to 70 °C
Lens type	Aspherical polymer lens			Glass
Casing	Aluminium black anodized			
Beam setting	Collimated			

¹⁾ optional

Homogeneous laserline

- Applications:**
- Alignment
 - Construction laser applications
 - Biomedical
 - Spectroscopy



- Features:**
- Insulated casing
 - Modulation / Power adjustment via analog input
Standard: 0 - 25 kHz, Optional up to 300 kHz

D (mm)	12
L (mm)	55 ¹⁾
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C			
Modul IMM-1255L-	660-50-30-K-L-homogen	635-5-30-G-L-homogen	650-3,0-5-K-L homogen
Order number	1203000189	1203000154	1203000188
Wave length	660 nm	635 nm	650 nm
Optical output power	48 mW	4.5 mW	3 mW
Line length	0.2 m @ 25 cm	0.5 m @ 1 m	35 mm @ 35 cm
Line breadth	< 0.5 mm @ 25 cm	0.8 mm @ 1 m	< 0.5 mm @ 35 cm
Aperture angle of the line	30°	30°	5°
Operating current	160 mA _{max.}	70 mA _{max.}	80 mA _{max.}
Intensity distribution	± 10%	± 15%	± 10%
Laser protection class	3R @ max. P _{opt}	2M @ max. P _{opt}	3R @ max. P _{opt}
Operating voltage Vcc	5 V DC	5 V DC	5 V DC
Operating temperature	5 °C to 40 °C	5 °C to 40 °C	-10 °C to 70 °C
Storage Temperature	-20 °C to 60 °C	-10 °C to 50 °C	-25 °C to 80 °C
Lens type	Polymer	Glass	Polymer
Casing	Aluminium black anodized		

Gaussian laserline



- Applications:**
- Alignment
 - Positioning
 - Construction laser applications
 - Leveling

- Features:**
- Insulated casing
 - Modulation / Power adjustment via analog input
Standard: 0 - 25 kHz, Optional up to 300 kHz

D (mm)	16
L (mm)	18
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C			
Modul IMM-1618L-	785-13-K-L	650-19-K-L	635-6,5-80-K-L
Order number	1203000077	1203000084	1206000027
Wave length	785 nm	658 nm	635 nm
Optical output power	12.5 mW	18 mW	6 mW
Line length @ 1 m distance	1.6 m	1.6 m	1.6 m
Line breadth @ 1m distance	1 mm	1 mm	1 mm
Aperture angle of the line	80°	80°	80°
Operating current	150 mA _{max.}	95 mA _{max.}	90 mA _{max.}
Laser protection class	3B @ max. P _{opt}	3B @ max. P _{opt}	2M @ max. P _{opt}
Operating voltage Vcc	5 V DC	5 V DC	5 V DC
Operating temperature	5 °C to 60 °C	5 °C to 60 °C	5 °C to 50 °C
Storage Temperature	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C
Lens type	Polymer	Polymer	Polymer
Casing	Aluminium natural colour		

Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)
 Note: The above product specifications are subject to change without notice.

Gaussian laserline

- Applications:**
- Alignment
 - Positioning
 - Construction laser applications
 - Leveling



- Features:**
- Insulated casing
 - Modulation / Power adjustment via analog input
Standard: 0 - 25 kHz, Optional up to 300 kHz

D (mm)	12
L (mm)	55
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C			
Modul IMM-1255L-	635-1,0-100-K	635-7,0-100-K-L	905-1-100-K
Order number	1206000025	1206000026	1203000134
Wave length	635 nm	635 nm	905 nm
Optical output power	1 mW _{max.}	7 mW _{max.}	0,90 mW
Line width @ 1 m distance	1 mm	1 mm	1 mm
Line length @ 1 m distance	2.3 m	2.3 m	2.3 m
Operating current	50 mA _{max.}	85 mA _{max.}	65 mA _{max.}
Apertur angle of the line	100°	100°	100°
Laser protection class	2	2M @ max. P _{opt}	1
Operating voltage Vcc	4.5 V DC	4.5 V DC	4.5 V DC
Operating temperature	5 °C to 40 °C	5 °C to 50 °C	5 °C to 65 °C
Storage temperature	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 70 °C
Lens type	Aspherical polymer lens		
Casing	Aluminium black anodized		

Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)
 Note: The above product specifications are subject to change without notice.

Laser Crosshair Module

- Applications:**
- Industrial alignment
 - Positioning
 - Light barriers
 - Metrology



- Features:**
- Modulation / Power adjustment via analog input
Standard: 0 - 25 kHz, Optional up to 300 kHz
 - Threaded focus adjustment
 - Diaphragm¹⁾
 - Casing insulated

D (mm)	10
L (mm)	40
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C				
Modul IMM-1040K-	650-15	650-25	635-04	650-45
Order number	1203000183	1203000184	1203000198	1203000192
Wave length	650 nm	650 nm	635 nm	650 nm
Operating temperature	-10 °C to 70 °C	-10 °C to 70 °C	-10 °C to 50 °C	-10 °C to 70 °C
Angle	15°	25°	4°	45°
Line length @ 100 mm distance	26 mm	44 mm	65 mm	83 mm
Beam diameter @ 1/e ²	0.8 mm	0.8 mm	0.8 mm	0.8 mm
Beam divergence	0.8 mrad	0.8 mrad	0.8 mrad	0.8 mrad
Beam deviation	25 mrad	25 mrad	25 mrad	25 mrad
Optical output power	< 1 mW	< 5 mW	< 1 mW	< 5 mW
Operating voltage Vcc	2,4 V - 15 V DC			
Operating current	55 mA	90 mA	55 mA	80 mA
Laser protection class	2 @ max. P _{opt}	3R @ max. P _{opt}	2 @ max. P _{opt}	3R @ max. P _{opt}
Optic	Diffractive			
Casing	Aluminium black anodized			
Beam setting	Collimated (Optional focused)			Focused

¹⁾ optional

- Applications:**
- Positioning
 - Measurement
 - Target laser



- Features:**
- Low Power
 - Battery operations
 - Small size

D (mm)	7
L (mm)	14
LL (mm)	150 ± 20

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C		
Modul IMM-	CD1278	CD1277
Order number	1200000927	1200000926
Wave length	665 nm	665 nm
Optical output power	< 0.4 mW	< 0.4 mW
Beam diameter @ 1/e ²	Ø 1.8 mm	Ø 1.8 mm
Beam setting	Collimated	Focused
Operating current	4 mA	4 mA
Threshold current	0.6 mA	0.6 mA
Beam divergence	0.5 mrad max.	0.5 mrad max.
Beam deviation	3 mrad max.	3 mrad max.
Laser protection class	3B	3B
Operating voltage	3 V DC	3 V DC
Operating temperature	0 °C to 40 °C	0 °C to 40 °C
Storage temperature	-40 °C to 85 °C	-40 °C to 85 °C
Lens type	Glas	Glas
Casing	Aluminium	Aluminium

Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)
 Note: The above product specifications are subject to change without notice.

High power TEC-Module-Series

- Applications:**
- Industrial alignment
 - High-resolution printing
 - Biomedical instrumentation
 - Spectroscopy
 - Microscopy
 - Genomics



L (mm)	115
W (mm)	64
H (mm)	39

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C		
Modul IMM-TEC	Casing Type A	Casing Type B
Order Number	On request	On request
Wave length	375 nm - 2800 nm	375 nm - 2800 nm
Wavelength stability	<0.01 nm	<0.01 nm
Operating temperature	-20 °C to 40 °C	-20 °C to 40 °C
Beam profile	Round, elliptical, line or cross and special profiles on request	
Beam diameter @ 1/e ²	Varies with model	
Beam divergence	0,8 mrad, varies with model	0,8 mrad, varies with model
Beam deviation	<3 mrad, varies with model	<3 mrad, varies with model
Optical output power	Up to 5 W, varies with model	
Operating voltage Vcc	4.5 V to 24 V DC	
Operating current	Max. 800 mA	
Power stability	< 1%	
Modulation (TTL input)	Up to 500 MHz	

The TEC-Module offers exceptional wavelength and power stability, (better than 1%), good pointing accuracy and significantly increased laser diode lifetime.

The module incorporates temperature control electronics, thermo electric cooler and heat sink that enables the laser diode temperature to be controlled to a set point temperature between 15°C to 35°C (adjustable) and with a stability of ±0,05°C.

If you need a wavelength or power that we do not offer as standard, please contact our sales team to discuss your requirements.

High power TEC-Module-Series

Type A



Optional with external laser head



Optional with fiber coupling



L (mm)	115
W (mm)	64
H (mm)	39

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Type B



L (mm)	115
Ø (mm)	24

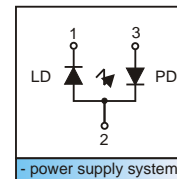
Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)
 Note: The above product specifications are subject to change without notice.

- Applications:**
- Construction laser applications
 - Positioning
 - Light barriers
 - Leveling



PINOUT



D (mm)	7
L (mm)	14
LL (mm)	150 ± 20

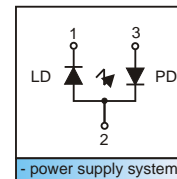
Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C				
Collimator IMK-0714-	R-K-DL3147-060	E-K-DL-3148-025	E-DL-6147-040	E-G-QL85D6SA
Order number	1106000004	1103000069	1103000087	1103000093
Wave length	650 nm	635 nm	658 nm	850 nm
Optical power	2 mW	3,25 mW	26 mW	3 mW
Beam diameter @ 1/e ²	Ø 2 mm	3.8 x 1.8 mm	3.2 x 1.8 mm	4.6 x 1.8 mm
Operating current	30 mA	30 mA	65 mA	10 mA
Threshold current	20 mA	20 mA	30 mA	20 mA
Beam divergence	0,5 mrad max.	0,5 mrad max.	0,5 mrad max.	0,5 mrad max.
Beam deviation	15 mrad max.	15 mrad max.	15 mrad max.	15 mrad max.
Laser protection class	3B	3B	3B	3B
Operating voltage	2.3 V	2.2 V	2.4 V	1.9 V
Monitor diode current	0.2 mA	0.2 mA	0.3 mA	0.2 mA
Operating temperature	-10 °C to 70 °C	-10 °C to 40 °C	-10 °C to 60 °C	-10 °C to 60 °C
Storage temperature	-25 °C to 85 °C	-25 °C to 85 °C	-25 °C to 85 °C	-25 °C to 85 °C
Suitable laser diode controllers	IMS-WKL1-01, IMS-5/250J-1			
Lens type	Aspherical polymer lens			Glass
Casing	Aluminium natural colour			

- Applications:**
- Construction laser applications
 - Positioning
 - Light barriers
 - Leveling



PINOUT



D (mm)	4.2 - 7
L (mm)	7 - 22

Dimensions according to DIN ISO 2768 f if not specified otherwise. Drawing not in scale

Parameter @ Tc=25°C				
Collimator IMK-	0508-E-K-DL-650-5-50	0710-E-K-DL3147-060	0722-R-K-DL3147-060	0408-E-G-ADL-65075SL
Order number	1106000001	1106000002	1106000005	1103000082
Wave length	655 nm	650 nm	650 nm	655 nm
Optical power	4.3 mW	4.3 mW	1.5 mW	3.5 mW
Beam diameter @ 1/e ²	2.5 x 0.6 mm	3.4 x 0.8 mm	Ø 3.6 mm	1 x 0.7 mm
Operating current	20 mA	30 mA	30 mA	25 mA
Threshold current	15 mA	20 mA	20 mA	20 mA
Beam divergence	1.5 mrad max.	0.8 mrad max.	0.3 mrad max.	1.5 mrad max.
Beam deviation	30 mrad max.	25 mrad max.	5 mrad max.	30 mrad max.
Laser protection class	3B	3B	3B	3B
Operating voltage	2.2 V	2.3 V	2.3 V	2.2 V
Monitor diode current	0.1 mA	0.2 mA	0.2 mA	0.2 mA
Operating temperature	5 °C to 50 °C	5 °C to 65 °C	-10 °C to 70 °C	-10 °C to 60 °C
Storage temperature	-25 °C to 70 °C	-25 °C to 70 °C	-25 °C to 85 °C	-25 °C to 85 °C
Casing diameter	5 mm	7 mm	7 mm	4.2 mm
Casing length	8 mm	10 mm	22 mm	7 mm
Suitable laser diode controllers	IMS-WKL1-01, IMS-5/250J-1			
Lens type	Aspherical polymer lens			Glass
Casing	Aluminium natural colour			

Compliant with RoHS-requirements (2002/95/EG vom 27.01.2003)
 Note: The above product specifications are subject to change without notice.

Custom designed Laser Diode Modules and Collimators

Additional to the standard program IMM offers on request custom designed solutions.

An inquiry form you will find on our website www.imm-photonics.de under:

products -> laser diode collimators -> specification form
laser diode modules -> specification form

Features

- Wave length: 370 nm - 1550 nm
- Power: 0,1 mW - 500 mW
- Operating voltage Vcc: 3 V - 24 V
- Collimated
- Line
- Cross Line
- Point
- Adjustable focus
- Individuale housing
- Heavy duty

Examples



Please copy, fill in and **FAX to +49 89 321 412 11** or send to us.
 Also an inquiry form you will find on our website **www.imm-photonics.de**.
 Please write in **block letters**.

Company information	
Company	
Street	
Zip-Code / City	
Country	
Phone	
Fax	
E-mail	
Contact person	

All beam diameters @ FW 1/e²

Collimator <input type="checkbox"/> Module <input type="checkbox"/>	
Wavelength	_____ nm +/- _____ nm
Optical output power	_____ mW
Mechanical dimension	Ø _____ mm Length _____ mm
Beam deviation	_____ mrad max.
Beam divergence	_____ mrad max.
Operating voltage	_____ V
Operating temperature	_____ °C min. _____ °C max.
Storage temperature	_____ °C min. _____ °C max.
Beam profile	Round <input type="checkbox"/> Elliptical <input type="checkbox"/> Line <input type="checkbox"/> Crosshair <input type="checkbox"/> Other <input type="checkbox"/>
Collimated round <input type="checkbox"/>	Beam width _____ mm @exit _____ mm @distance _____ m
Collimated elliptical <input type="checkbox"/>	Beam width _____ x _____ mm ² @ exit _____ x _____ mm ² @distance _____ m
Focused <input type="checkbox"/>	Distance _____ Ø _____
Line/Crosshair	Gaussian <input type="checkbox"/> Homogeneous <input type="checkbox"/> Fan angle _____
Modulated	Yes <input type="checkbox"/> No <input type="checkbox"/> Frequency _____ kHz
Casing	Isolated <input type="checkbox"/> Anodized <input type="checkbox"/> Not relevant <input type="checkbox"/>
Cooled	Yes <input type="checkbox"/> No <input type="checkbox"/> Stabilisation _____ mK
Lens type	Glass <input type="checkbox"/> Polymer <input type="checkbox"/>
Stranded wire <input type="checkbox"/> Cable <input type="checkbox"/>	Length _____ mm
Electrical connector	None <input type="checkbox"/> Type _____

Notice (additional information)

If you have an own specification. Do not hesitate to fax us.

IMM Photonics GmbH hat sich kontinuierlich zum Hersteller, Distributor und Dienstleister entwickelt. Heute sind wir mit über 40 Mitarbeitern einer der führenden Anbieter im Bereich Lasertechnik, Optoelektronik und Faseroptik mit eigener Entwicklung und Produktion.

Unser Produktangebot reicht von der einzelnen Komponente (Laserdiode, Optik, Optoelektronik) über Subsysteme (Kollimatoren und Module) bis hin zu kompletten Geräten wie z.B. den FIBERPOINT®. Bei der Entwicklung kundenspezifischer Lösungen greifen wir auf fast 150 Ingenieurjahre Erfahrung zurück, welche auch unser hohes technisches Know-how und die Qualität unserer Produkte prägen.

Unsere Firmenphilosophie

Unser Ziel ist - gemeinsam mit Ihnen - maßgeschneiderte Lösungen für Sie zu erarbeiten.

IMM Photonics GmbH has been continuously developed to supplier, distributor and service company. With more than 40 employees we are one of the leading supplier in laser technique, optoelectronics and fiber optics with own development and production department.

Our product range includes single components (laser diodes, optics, optoelectronics), sub-systems (collimators and modules) and complete devices, such as FIBERPOINT®. With regard to customer specific solutions, we have got nearly 150 years of experience in engineering; our technical know-how is reflected in the high quality of our products.

Company Philosophy

Our aim is to find specific solutions together with you – for you.

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