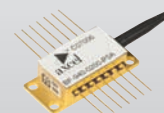


915 nm  
Pigtailed  
Laser Diode



Available in a  
14-Pin Butterfly  
Package with PM  
Fiber

See page  
1260

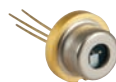
## $\lambda = 905 \text{ nm}$ , $P = 100 \text{ mW}$ , Single Mode Axcel M5-905-0100

Maximum Ratings ( $T_c = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	$P_o$	100 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	$T_c$	-20 to 50 °C
Storage Temperature	$T_{sg}$	-40 to 80 °C



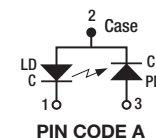
NEW  
product



Pin Description

- laser cathode
- common case
- monitor diode anode

- Ø5.6 mm Package
- 905 nm (Typical) Wavelength
- 100 mW Output Power (CW)
- 30 mA (Typical) Threshold Current



Characteristics ( $T_c = 25^\circ\text{C}$ ,  $P = 100 \text{ mW}$ )

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	$\lambda_p$	900 nm	905 nm	910 nm
Threshold Current	$I_{th}$	–	30 mA	50 mA
Operating Current	$I_{op}$	–	140 mA	170 mA
Operating Voltage	$V_{op}$	–	1.9 V	2.2 V
Beam Divergence (FWHM)	$\theta//$	–	8°	10°
	$\theta\perp$	–	28°	30°
Slope Efficiency	$\eta_s$	0.8 mW/mA	0.9 mW/mA	–
Monitor Current	$I_m$	–	0.050 mA	–

Note: All data are presented as typical unless otherwise specified.

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
M5-905-0100	£ 214.05	€ 258.64	¥ 2,369.33

\*For quantities over 5 pieces, please call our local office for pricing.

ITEM #	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
M5-905-0100	\$ 297.28	\$ 282.42	\$ 267.55	Axcel 905 nm, 100 mW

## $\lambda = 915 \text{ nm}$ , $P = 200 \text{ mW}$ , Single Mode Axcel M9-915-0200

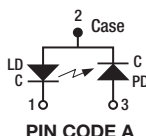


NEW  
product

- Ø9 mm Package
- 915 nm (Typical) Wavelength
- 200 mW Output Power (CW)
- 30 mA (Typical) Threshold Current

Pin Description

- laser cathode
- common case
- monitor diode anode



Maximum Ratings ( $T_c = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	$P_o$	200 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	$T_c$	-20 to 50 °C
Storage Temperature	$T_{sg}$	-40 to 80 °C

Characteristics ( $T_c = 25^\circ\text{C}$ ,  $P = 200 \text{ mW}$ )

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	$\lambda_p$	910 nm	915 nm	920 nm
Threshold Current	$I_{th}$	–	30 mA	50 mA
Operating Current	$I_{op}$	–	260 mA	300 mA
Operating Voltage	$V_{op}$	–	1.9 V	2.2 V
Beam Divergence (FWHM)	$\theta//$	–	8°	10°
	$\theta\perp$	–	28°	30°
Slope Efficiency	$\eta_s$	0.8 mW/mA	0.9 mW/mA	–
Monitor Current	$I_m$	–	0.150 mA	–

Note: All data are presented as typical unless otherwise specified.

## $\lambda = 915 \text{ nm}$ , $P = 300 \text{ mW}$ , Single Mode Axcel M9-915-0300

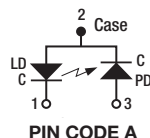


NEW  
product

- Ø9 mm Package
- 915 nm (Typical) Wavelength
- 300 mW Output Power (CW)
- 30 mA (Typical) Threshold Current

Pin Description

- laser cathode
- common case
- monitor diode anode



Maximum Ratings ( $T_c = 25^\circ\text{C}$ )

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	$P_o$	300 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	$T_c$	-20 to 50 °C
Storage Temperature	$T_{sg}$	-40 to 80 °C

Characteristics ( $T_c = 25^\circ\text{C}$ ,  $P = 300 \text{ mW}$ )

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	$\lambda_p$	910 nm	915 nm	920 nm
Threshold Current	$I_{th}$	–	30 mA	50 mA
Operating Current	$I_{op}$	–	370 mA	420 mA
Operating Voltage	$V_{op}$	–	1.9 V	2.2 V
Beam Divergence (FWHM)	$\theta//$	–	8°	10°
	$\theta\perp$	–	28°	30°
Slope Efficiency	$\eta_s$	0.8 mW/mA	0.9 mW/mA	–
Monitor Current	$I_m$	–	0.153 mA	–

Note: All data are presented as typical unless otherwise specified.

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
M9-915-0300	£ 760.57	€ 919.02	¥ 8,419.03

\*For quantities over 5 pieces, please call our local office for pricing.

ITEM #	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
M9-915-0300	\$1,056.34	\$1,003.52	\$ 950.71	Axcel 915 nm, 300 mW