



AlGaInP FC/PC pigtailed red laser diode

(P/N.: AGIP-01)

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Forward Current	I_{OP}		120	mA
Reverse Voltage (photodiode)	$V_{R\ PD}$		30	V
Reverse Voltage (laser)	$V_{R\ LD}$		2	V
Storage Temperature	T_{STG}	-40	+85	°C
Operating Temperature	T_{op}	-10	+70	°C
Soldering Temperature	T_{SOL}		260 (10s)	°C

Opto-Electrical Characteristics

T = 22degC +/-2degC

Parameter	Symbol	Min	Typical	Max	Units
Lasing wavelength	λ_{PEAK}	650	658	666	nm
Threshold current	I_{TH}	-	40	70	mA
Fibre coupled power	P_0	20	-	-	mW
Forward Current (@ P_0)	I_F	-	80	120	mA
Forward Voltage (@ P_0)	V_F	-	2.3	2.8	V
Monitor current (P_0 , $V_{PD} = -5V$)	I_{PD}	0.07	0.3	1.5	mA

Mechanical Characteristics

Parameter	Min	Typical	Max	Units
Fibre type	Single mode at 630nm			
Fibre core	4.0	4.5	5.0	µm
Fibre NA	-	0.13	-	
Pigtail length	0.9	0.95	-	m
Termination	FC/PC connector			



Dimensional outline fibre pigtail (units = mm)

