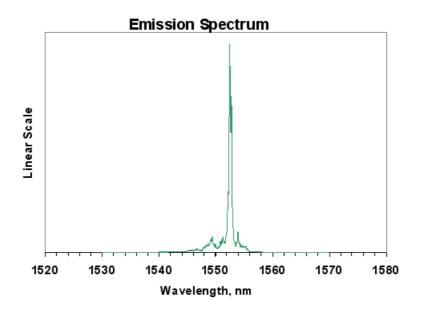
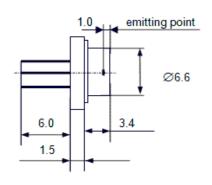
## Single mode laser diode, 30mW @ 1550nm, QLD-1550-40S-AR

Optical and electrical characteristics (T = 25 °C)

Optical and electrical acteristics (1 - 25 C)							
Characteristics		Symbol	Min	Тур	Max	Unit	
Optical output power		Pout	20	30		mW	
Wavelength		λ	1535	1550	1565	nm	
Emitting area		WxH		5 x 1		μmxμm	
Threshold current		Ith		80	1 20	mA	
Forward current		If		190	240	mA	
Forward voltage		$V_f$		1.6	2.2	V	
Beam Divergence	perpendicular	θΤ	25	30	35	Degree	
	parallel	θ	8	10	12	Degree	
Static alignment		Δλ  x Δα.Ι.			<±3	Degree	
Positional accuracy		ΔΧ, ΔΥ, ΔΖ			±100	μm	
Spectral width (FWHM)		Δλ		4	8	nm	
Mode structure			Single Transverse Mode				
Differential Efficiency		DPo/dIop		0.5		mW/mA	
Monitoring output current		Im	0.07			mA	





Pin	Connection			
1	LD Anode			
2	LD Cathode, PD Anode			
3	PD Cathode			

