XL-PLPT9 450MD-7W Technical Data Sheet

Product features

Applications

性能参数

natural parameter

Absolute Maximum Ratings Ta=25

parameter	symbol		unit
power	Po	7	W
Working Current	Iop	4	A
backward voltage	VR	2	V
working temperature	TOP	-20 60	
Storage Temperature	Tstg	-40 85	
Junction temperature	Tj	135	
Welding conditions	Tsol	reflow soldering 240°C 6s manual welding 300°C 3s	

Recommended Operating Conditions

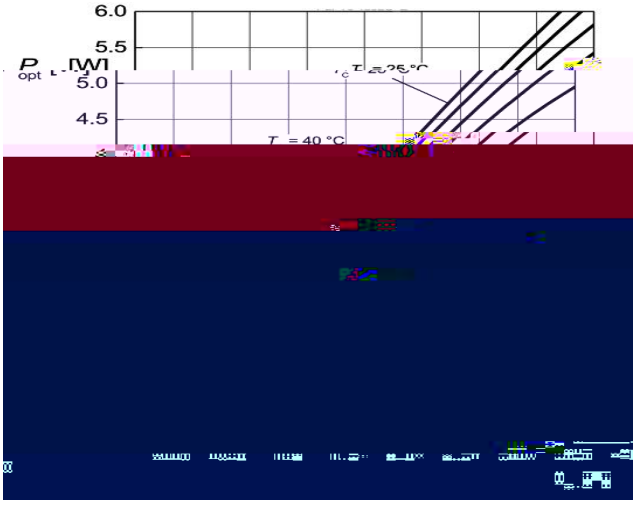
parameter	symbol		unit
Threshold Current	Ith	0.31	
Working Current	Iop	3.6	
working voltage	Vop	4.8	

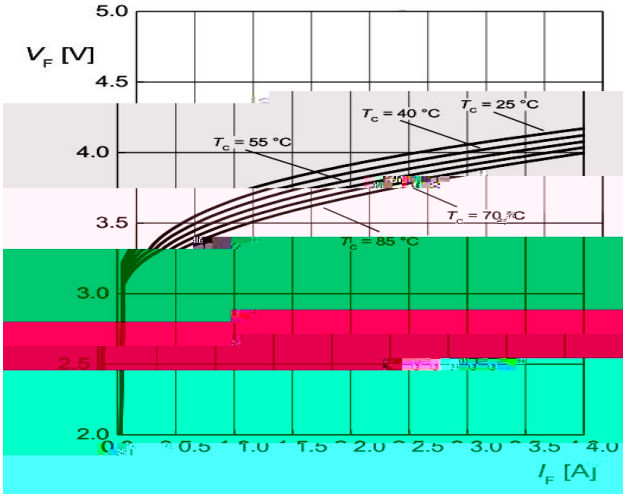
Optoelectronic Parameters Ta=25

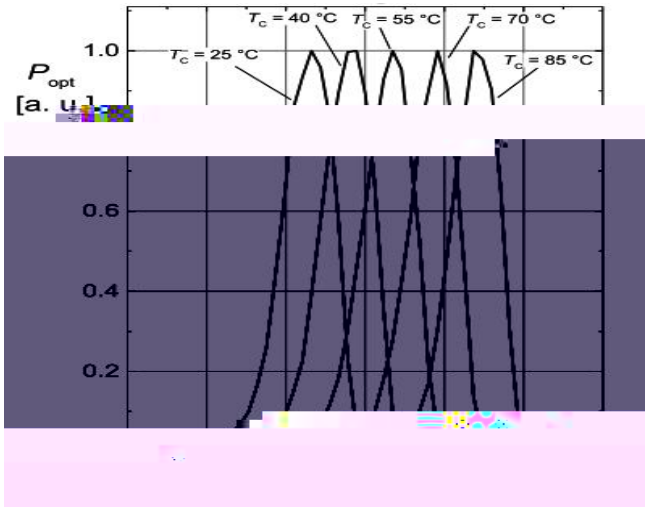
Parameter	Symbol	Test condition	min	typ	max	Unit
Threshold Current	Ith	-	-	0.3	0.4	A
Working Current	Iop	Po=4W	-	3.7	4.0	A
working voltage	Vop	Po=4W	-	4.1	4.8	V
Central Wavelength	λc	Po=4W	975	980	985	nm

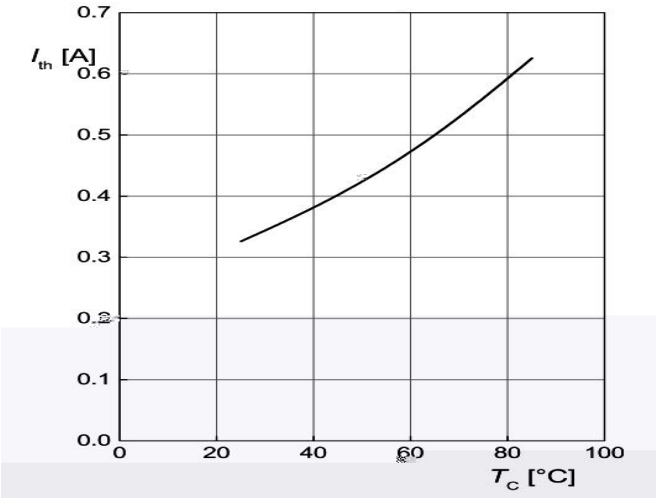
典型特性曲线

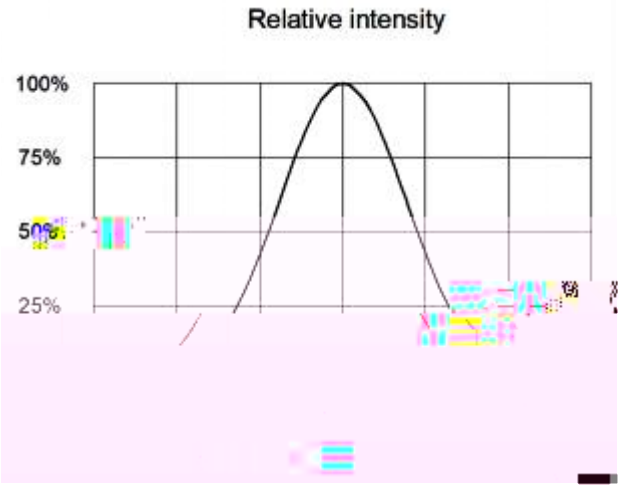
Typical Characteristics Curves

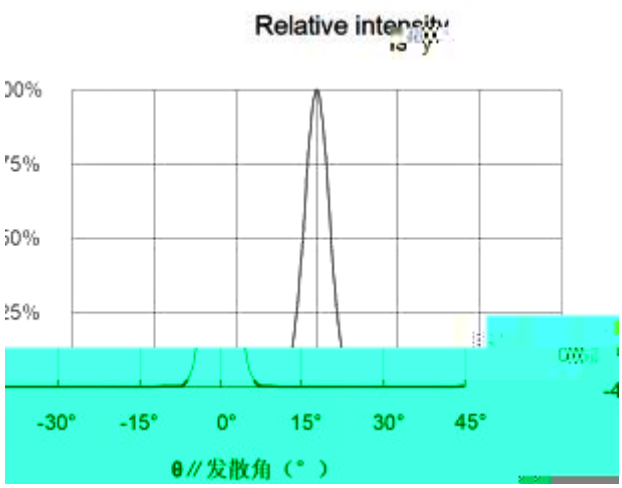






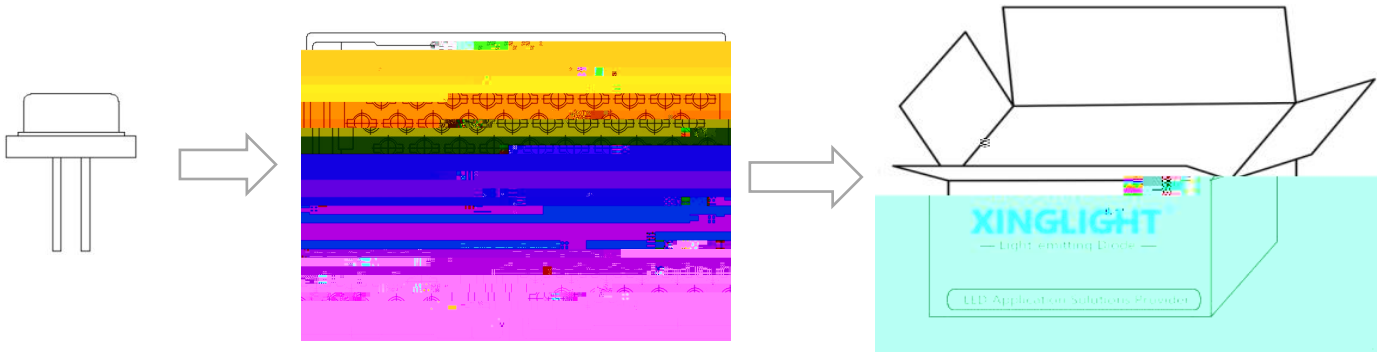






包装

Packaging



1. Feet assembly