



DESCRIPTION

The **APW-MW2-1210-010** is a two drive line dual emitter oximeter component. The 660nm and 940nm GaAIAs infrared emitters are mounted in a “glob top” low cost ceramic SMT 1210 package.

RELIABILITY

Contact Luna for recommendations on specific test conditions and procedures.

FEATURES

- Low Cost
- 660 nm ± 3nm
- Optimal Peak Wavelength Binning
- Two Drive Lines

APPLICATIONS

- Oximeter Probes
- Finger Clamps
- Reusable Probes

ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN		MAX	UNITS	(TA)= 23°C UNLESS OTHERWISE NOTED
Reverse Voltage	-	-	4	V	-
Operating Temperature	-40	to	+80	°C	-
Storage Temperature	-40	to	+80	°C	-
Soldering Temperature	-	-	+240	°C	-
Peak Forward Current	-	-	200	nm	-
Continuous Forward Current	-	-	30	mA	-
Maximum Power Dissipation	-	-	250	mW	-

Information in this technical datasheet is believed to be correct and reliable. However, no responsibility is assumed for possible inaccuracies or omission. Specifications are subject to change without notice.

OPTO-ELECTRICAL PARAMETERS

T_a = 23°C UNLESS OTHERWISE NOTED

PARAMETER	TEST CONDITIONS	660 nm			880 nm			UNITS
		MIN	TYP	MAX	MIN	TYP	MAX	
Breakdown Voltage	I _f = 10 μA	5.0	-	-	5.0	-	-	V
Radiant Flux	I _f = 10 mA	1.8	2.4	-	1.2	1.8m	-	mW
Luminous Intensity	I _f = 10 mA	20	30	-	-	-	-	mcd
Forward Voltage	I _f = 10 mA	-	1.8	2.4	-	1.3	1.5	V
Peak Wavelength	I _f = 10 mA	658	661	664	930	940	950	Nm
Rise Time (50Ω load)	I _f = 10 mA	-	0.8	-	-	0.8	-	ns
Spectral Halfwidth	I _f = 10 mA	-	25.0	-	-	50	-	nm
Fall Time	I _f = 10 mA	-	0.8	-	-	0.8	-	ns

TYPICAL PERFORMANCE

SUGGESTED PBC LAYOUT (mm)

