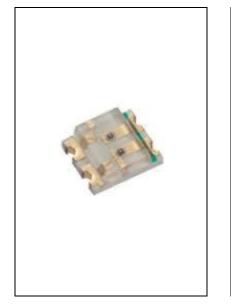
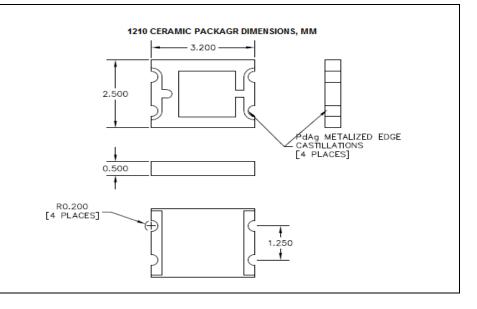


GaAIAs High Power Dual IR LED Emitters APW-MW2-1210-010

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Precision – Control – Results





DESCRIPTION

The **APW-MW2-1210-010** is a two drive line dual emitter oximeter component. The 660nm and 940nm GaAlAs infrared emitters are mounted in a "glob top" low cost ceramic SMT 1210 package. The LEDs are bias separately by alternating polarity on the bias pins.

FEATURES

- Low Cost
- •660nm±3nm
- Center Pick Wavelength
- Binning is Optional
- Two Drive Lines

APPLICATIONS

•Oximeter Probes •Finger Clamps

Reusable Probes

 $T_a = 23^{\circ}C$ unless noted otherwise

RELIABILITY

Contact API for recommendations on specific test conditions and procedures.

ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN	MAX	UNITS				
Reverse Voltage	-	4	V				
Operating Temperature	-40	+80	°C				
Storage Temperature	-40	+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. Page 1/2

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					TYPICAL PERFORMAN			ICE
CHARACTERISTIC	TEST CONDITIONS	660nm		940nm				
		MIN	ТҮР	MAX	MIN	ТҮР	MAX	UNITS
Breakdown Voltage	I _f = 10 μA	5	-	-	5	-	-	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 (50 Ω load)	I _f = 10 mA	-	0.8	-	-	0.8		ns
Spectral Halfwidth	I _f = 10 mA	-	25	-	-	50	-	nm
Fall Time	I _f = 10 mA	-	0.8	-	-	0.8	-	ns

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