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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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APW-MW2-1210-010 GaAlAs Dual IR LED



FEATURES

- Low Cost
- 660 nm \pm 3nm
- 940 nm \pm 10 nm
- Optimal Peak Wavelength Binning
- Two Drive Lines



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.

APPLICATIONS

- Oximeter Probes
- Finger Clamps
- Reusable Probes

> Absolute Maximum Ratings

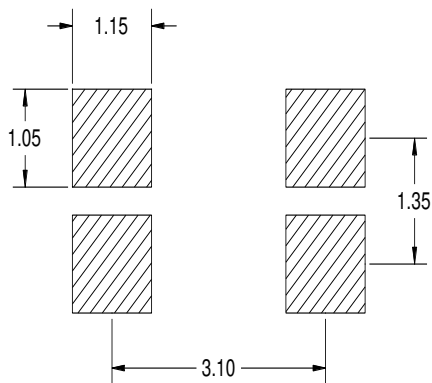
Reverse Voltage (V)	Power Dissipation (mW)	Peak Forward Current (mA)	Continuous Forward Current (mA)	Operating Temperature (C°)	Storage Temperature (C°)	Soldering Temperature (C°)
4	250	200	30	-40 to +80	-40 to +80	260

APW-MW2-1210-010 GaAIAS Dual IR LED

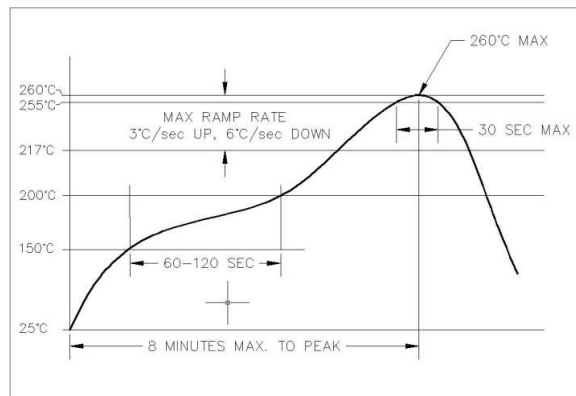
> Electrical and Optical Characteristics

660 nm Typical Characteristics (T=23°C unless specified)						
Parameter	Test Conditions	Symbol	Min	Typical	Max	Unit
Breakdown Voltage	I _f = 10 μA	V _{BD}	5	-	-	V
Radiant Flux	I _f = 20 mA	Φ _e	-	9.5	-	mW
Luminous Intensity	I _f = 20 mA	I _v	-	180	-	mcd
Forward Voltage	I _f = 20 mA	V _F	-	1.28	1.35	V
Peak Wavelength	I _f = 20 mA	λ _p	657	660	663	nm
Rise Time (50Ω load)	I _f = 20 mA	T _R	-	0.8	-	ns
Fall Time	I _f = 20 mA	T _F	-	0.8	-	ns
Spectral Halfwidth	I _f = 20 mA	Δλ	-	20	-	nm
940 nm Typical Characteristics (T=23°C unless specified)						
Parameter	Test Conditions	Symbol	Min	Typical	Max	Unit
Breakdown Voltage	I _f = 10 μA	V _{BD}	5	-	-	V
Radiant Flux	I _f = 20 mA	Φ _e	-	5	-	mW
Luminous Intensity	I _f = 20 mA	I _v	-	-	-	mcd
Forward Voltage	I _f = 20 mA	V _F	-	1.5	1.65	V
Peak Wavelength	I _f = 20 mA	λ _p	930	940	950	nm
Rise Time (50Ω load)	I _f = 20 mA	T _R	-	0.8	-	ns
Fall Time	I _f = 20 mA	T _F	-	0.8	-	ns
Spectral Halfwidth	I _f = 20 mA	Δλ	-	50	-	nm

> Suggested PCB Layout

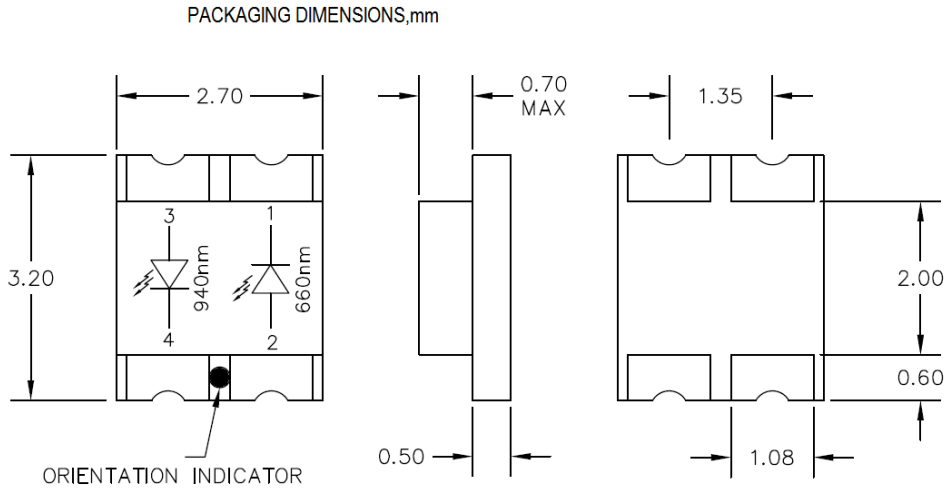


> Reflow Profile



APW-MW2-1210-010 GaAIAS Dual IR LED

> Packing Dimensions



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MATERIALS SAFETY

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