

APW-MW2-1210-010





FEATURES

- Low Cost
- 660 nm ± 3nm
- 940 nm ± 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

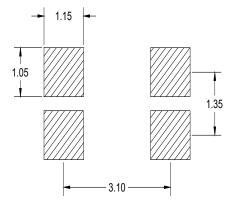
> Absolute Maximum Ratings

Part No.		Continuous Forward Current [mA]	Peak Forward Current [mA]	Power Dissipation [mW]	Operating Temperature [C]	Storage Temperature [C]	Package
	APW-MW2-1210-010	30	200	250	-40 to +80	-40 to +80	1210

> Electrical and Optical Characteristics

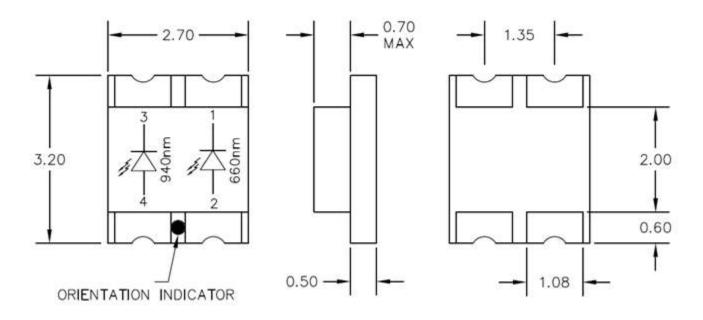
660nm Typical Characteristic	cs (T=23°C unless specified)					
Parameter	Test Conditions	Symbol	Min	Typical	Max	Unit
Breakdown Voltage	I _f = 10 μA	V_{BD}	5	-	-	V
Radiant Flux	I _f = 20 mA	Фе	-	9.5	-	mW
Luminous Intensity	I _f = 20 mA	Ιv	-	180	-	mcd
Forward Voltage	I _f = 20 mA	VF	-	1.94	2.30	V
Peak Wavelength	I _f = 20 mA	λ_{p}	657	660	663	nm
Rise Time (50Ω load)	I _f = 20 mA	T_R	-	15	-	ns
Fall Time	I _f = 20 mA	T _F	-	15	-	ns
Spectral Halfwidth	I _f = 20 mA	Δλ	-	20	-	nm
940 nm Typical Characteristi	cs (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	Фе	-	5	-	mW
Luminous Intensity	I _f = 20 mA	Ι _V	-	-	-	mcd
Forward Voltage	I _f = 20 mA	VF	-	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	-	15	-	ns
Fall Time	I _f = 20 mA	T _F	-	15	-	ns
Spectral Halfwidth	I _f = 20 mA	Δλ	-	50	-	nm

> Suggested PCB Layout

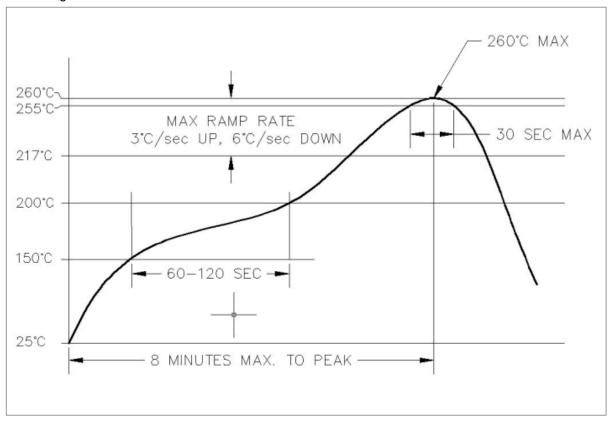


> 1210 Package [AWW-MW2-1210-010]

PACKAGING DIMENSIONS,mm



>Soldering Conditions



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MATERIALS SAFETY

This product is free of conflict minerals and meets REACH compliance. Please see website for reports.