AML Series LED Application Information

LED APPLICATION INFORMATION

For those devices without internal current limiting resistors, suitable external control of the LED current must be provided. It is recommended that a minimum of 5 VDC open circuit voltage with an appropriate series resistance be used to drive LEDde-vices. This minimizes the effect of temperature (current variation) on forward volt-age of the LED. Resistor values can be determined by supply voltage or current for LED:

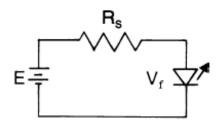
 $R_s = E - V_f / I_f$

WHERE: $R_s =$ Series Resistance

E = Supply Voltage V_f = Forward Voltage of LED

I_f = Circuit Current

If a diode is added in series for reverse polarity protection then:



$$\mathbf{R}_{\mathrm{S}} = \mathbf{E} - \mathbf{V}_{\mathrm{f}} - \mathbf{V}_{\mathrm{PD}} / \mathbf{I}_{\mathrm{f}}$$

WHERE:

V_{PD} = Forward Voltage of Protection Diode

WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

For application assistance, current specifications, or name of the nearest Authorized Distributor, contact a nearby sales office. Or call: 1-800-537-6945 USA 1-800-737-3360 Canada 1-815-235-6847 International

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