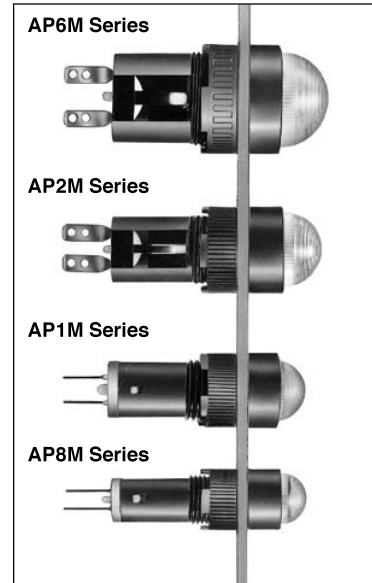
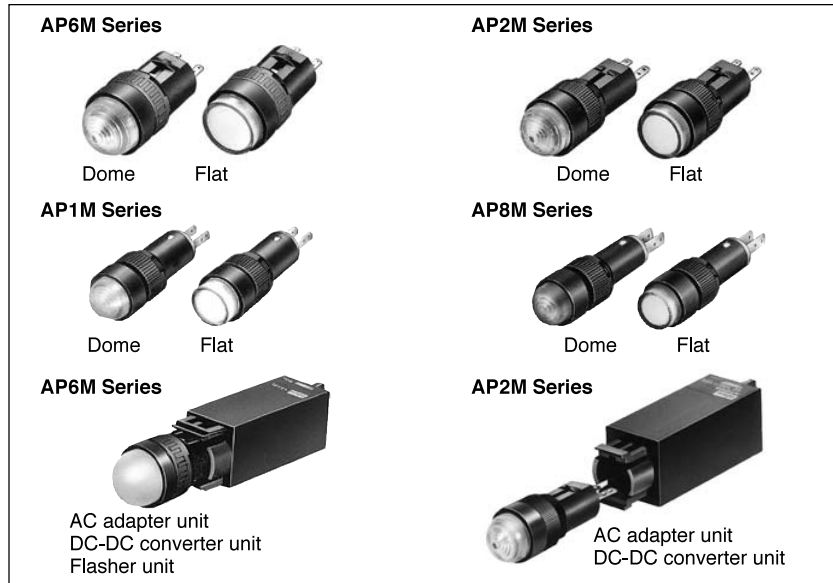


ø8·10·12·16 AP Series Miniature Pilot Lights

Super Bright LEDs with built-in current-limiting resistor and reverse polarity protection diode

**CROSS REF
FOR
80164-195-02**

- Space saving miniature style
- Long life
- Illumination colors: amber, blue, green, pure white, red, white, and yellow (blue and pure white available for AP8M and AP1M only)
- Marking is available on flat lens units. (except AP8M series)
- Built-in protection diode ensures a reverse withstand voltage of 100V.
- UL recognized and CSA certified



Pilot Light

Input Type	Full voltage					
Operating Voltage	5V DC	6V DC	12V AC/DC	12V DC	24V AC/DC	24V DC
Rated Current	AP1M, AP8M: 9 mA (yellow: 15 mA)	AP6M, AP2M: 33 mA	AP1M, AP8M: 9 mA (yellow: 15 mA)	AP6M, AP2M: 22 mA	AP1M, AP8M: 9 mA (yellow: 15 mA)	AP6M, AP2M: 11 mA
Illumination Color Code	AP6M, AP2M: A (amber), G (green), R (red), Y (yellow), W (white) AP8M, AP1M: A (amber), G (green), PW (pure white), R (red), S (blue), Y (yellow), W (white)					
Operating Temperature	-20 to +55°C (no freezing)					
Operating Humidity	45 to 85% RH (no condensation)					
Insulation Resistance	Between live and dead parts: 100 MΩ minimum (500V DC megger)					
Dielectric Strength	Between live and dead parts: 1000V, 1 minute					
Reverse Withstand Voltage	100V		—	100V	—	100V
Solder Terminal	Soldering 350°C maximum (3 sec)					
Applicable Wire	ø1.0 or 0.75 mm ² maximum (20 to 16 AWG)					
Weight (approx.)	AP6M: 7.5g AP2M: 4.5g AP1M: 2.5g AP8M: 2.0g					
Degree of Protection	AP6M, AP2M, AP1M: IP65 AP8M: IP40 (according to IEC 60529)					

• AC Adapter/DC-DC Converter (Option)

Unit	AC Adapter	DC-DC Converter
Applicable Unit	AP6M and AP2M (6V rating only)	
Operating Voltage	100/110V AC, 200/220V AC 50/60 Hz	110V DC (90 to 140V DC)
Power Consumption	1.6 VA maximum	1W maximum
Insulation Voltage	250V AC	140V DC
Insulation Resistance	Between live and dead parts: 100 MΩ minimum (500V DC megger)	
Dielectric Strength	Between live and dead parts: 2000V, 1 minute	
Terminal Style	Between I/O terminals: 2000V AC, 1 minute	Between I/O terminals: 1500V AC, 1 minute
Terminal Style	M3 screw	
Weight (approx.)	38g	20g

• Flasher Unit (Option)

Applicable Unit	AP6M (12V and 24V DC rating only)
Operating Voltage	12/24V DC compatible ±10%
Flashing Period	Adjustable between approximately 30 to 600 cycles per minute (period 0.1 to 2 sec)
Current Draw	4 mA (OFF) to 6 mA (ON)
Terminal Style	M3 screw
Weight (approx.)	13.5g