



oSignage™

S Series SMD LED Modules

Lower light decrease, longer life span

Are you always upset on your frequently broken neon signs or low brightness Piranha LED signs? Just abandon them and choose oSignage™ S series SMD LED Modules.

ATG Electronics® oSignage™ S series SMD LED Module adopts SMD LED as lighting source, which features much lower light decrease, longer life span than piranha LEDs.

oSignage™ S4 is square shape, with 4 SMD LEDs in, and available in solid colors.

oSignage™ S3 is oblong shape, with 3 SMD LEDs in, and available in solid colors.

oSignage™ S series can be installed easily with 3M double-sided tape on the back.

If a dynamic lighting is required, oSignage™ S series can also be connected with specified dimmer (QColor™ Remote Dimmer).

Operating on 12VDC low voltage, oSignage™ S series is a safety luminaries and is compatible with our 12 VDC QDriver™/XDriver™ LED Power Supply. (Please visit http://www.atgelectronics.com/lighting/lighting10_20.html for more information.)

oSignage™ S series are well employed for countless proposes, mainly lighting channel and reverse-channel letters, signs, billboards or advertising boards.



Feature & Benefits:

- Lower light decrease with SMD LED;
- High brightness and light efficiency with high quality LEDs;
- Easy installation with 3M double-sided sticking tape;
- Long life span of 50,000 hours with little heat, high quality LEDs and proper drive characteristics;
- IP65, applicable for dry, wet, damp environment;
- Safety and stable with low voltage (12VDC);
- Energy saving with low power consumption.



oSignage™ S4 LED Modules

Part Numbers

| Part Number | Description | Unit |
|---------------------|----------------------------------------------------------------------|------|
| HMZ-S004R-005600-L1 | oSignage S4 SMD LED Module, 4LEDs, Red, 12VDC, Single 3M Tape | pcs |
| HMZ-S004Y-005600-L1 | oSignage S4 SMD LED Module, 4LEDs, Yellow, 12VDC, Single 3M Tape | pcs |
| HMZ-S004B-005600-L1 | oSignage S4 SMD LED Module, 4LEDs, Blue, 12VDC, Single 3M Tape | pcs |
| HMZ-S004G-005600-L1 | oSignage S4 SMD LED Module, 4LEDs, Green, 12VDC, Single 3M Tape | pcs |
| HMZ-S004W-005600-L1 | oSignage S4 SMD LED Module, 4LEDs, 2800-3200K, 12VDC, Single 3M Tape | pcs |
| HMZ-S004N-005600-L1 | oSignage S4 SMD LED Module, 4LEDs, 5500-6500K, 12VDC, Single 3M Tape | pcs |

Technical Specifications

Physical Specifications

| | |
|---------------------------------|--------------------------------------------------|
| Dimension | L36*W36*H6 mm |
| Connectors | 2-pin power connector |
| Weight | 10g |
| Housing | PVC Housing |
| IP Rating (Work environment) | IP65 (applicable for dry, wet, damp environment) |

Electrical Specifications

| | |
|-------------------------------|----------------------------------------------------------|
| Lighting Source | SMD LEDs |
| LED Quantity | 4 LEDs |
| Operation Voltage | 12 VDC |
| Power Consumption | 0.96W |
| Operation Temperature | -40°C - 60°C (-40°F ~140°F) |
| Maximum Series-wound Quantity | 20 pcs |
| Power Supply | 12 VDC QDriver™/XDriver™ LED Power Supply |
| Dimming System | QColor™ Remote Dimmer (Part Number: HCD-00001-000000-RD) |

Optical Specifications

| Color Range | Red | Yellow | Blue | Green | White |
|-------------------|-----------------|---------|---------|---------|-------|
| Lumens (one pcs) | 14 lm | 14 lm | 14 lm | 24 lm | 40 lm |
| Wavelength | 619-620 | 584-595 | 463-475 | 512-528 | —* |
| Beam Angle | 120 degree | | | | |
| Lumen Maintenance | >95% @ 1,000hrs | | | | |

* Color Temperature:

Warm White: 2800-3200K

Cool White: 5500-6500K

oSignage™ S3 LED Modules

Part Numbers

| Part Number | Description | Unit |
|---------------------|----------------------------------------------------------------------|------|
| HMZ-S003R-008600-L1 | oSignage S3 SMD LED Module, 3LEDs, Red, 12VDC, Single 3M Tape | pcs |
| HMZ-S003Y-008600-L1 | oSignage S3 SMD LED Module, 3LEDs, Yellow, 12VDC, Single 3M Tape | pcs |
| HMZ-S003B-008600-L1 | oSignage S3 SMD LED Module, 3LEDs, Blue, 12VDC, Single 3M Tape | pcs |
| HMZ-S003G-008600-L1 | oSignage S3 SMD LED Module, 3LEDs, Green, 12VDC, Single 3M Tape | pcs |
| HMZ-S003W-008600-L1 | oSignage S3 SMD LED Module, 3LEDs, 2800-3200K, 12VDC, Single 3M Tape | pcs |
| HMZ-S003N-008600-L1 | oSignage S3 SMD LED Module, 3LEDs, 5500-6500K, 12VDC, Single 3M Tape | pcs |

Technical Specifications

Physical Specifications

| | |
|---------------------------------|--------------------------------------------------|
| Dimension | L78*W15*H5 mm |
| Connectors | 2-pin power connector |
| Weight | 10g |
| Housing | PVC Housing |
| IP Rating (Work environment) | IP65 (applicable for dry, wet, damp environment) |

Electrical Specifications

| | |
|-------------------------------|----------------------------------------------------------|
| Lighting Source | SMD LEDs |
| LED Quantity | 3 LEDs |
| Operation Voltage | 12 VDC |
| Power Consumption | 0.72W |
| Operation Temperature | -40°C - 60°C (-40°F ~140°F) |
| Maximum Series-wound Quantity | 20 pcs |
| Power Supply | 12 VDC QDriver™/XDriver™ LED Power Supply |
| Dimming System | QColor™ Remote Dimmer (Part Number: HCD-00001-000000-RD) |

Optical Specifications

| Color Range | Red | Yellow | Blue | Green | White |
|-------------------|---------------|---------|---------|---------|-------|
| Lumens (one pcs) | 10.5 lm | 10.5 lm | 10.5 lm | 18 lm | 30 lm |
| Wavelength | 619-620 | 584-595 | 463-475 | 512-528 | —* |
| Beam Angle | 120 degree | | | | |
| Lumen Maintenance | >95%@1,000hrs | | | | |

* Color Temperature:

Warm White: 2800-3200K

Cool White: 5500-6500K



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