



### LED Display Solutions

#### 8-Channel Drivers

#### 24-Channel Driver

	<b>MBI5167</b>	<b>MBI5168</b>	<b>MBI5169</b>	<b>MBI5170</b>	<b>MBI5171</b>	<b>MBI5368</b>
<b>Channel</b>	8	8	8	8	8	24
<b>Output Current</b>	3-45mA	5-120mA				5-60mA
<b>Max. Sustaining Voltage</b>	17V					
<b>PrecisionDrive™</b>	V	V	V	V	V	V
<b>Share-I-O™</b>			V	V	V	V
<b>Error Detection</b>			V		V	
<b>Current Gain</b>				V	V	V
<b>High Precision at Low Current</b>	V					
<b>S-PWM™</b>						
<b>Package</b>	SOP/SSOP	P-DIP/SOP/SSOP	P-DIP/SOP/SSOP	P-DIP/SOP/SSOP	P-DIP/SOP/SSOP	P-DIP/SOP/SSOP
<b>Major Applications</b>	Indoor video displays; Outdoor video displays; Message signs	Indoor video displays; Outdoor video displays; Message signs	Indoor video displays; Outdoor video displays; Message signs; VMS traffic signs	Indoor video displays; Outdoor video displays; Message signs	Indoor video displays; Outdoor video displays; Message signs; VMS traffic signs	Indoor video displays; Outdoor video displays; Message signs

### LED Display Solutions

#### 16-Channel Drivers

	<b>MBI5025</b>	<b>MBI5026</b>	<b>MBI5027</b>	<b>MBI5028</b>	<b>MBI5029</b>	<b>MBI5030</b>	<b>MBI5031</b>
<b>Channel</b>	16	16	16	16	16	16	16
<b>Output Current</b>	3-45mA	5-90mA				5-60mA	
<b>Maximum Sustaining Voltage</b>	17V						
<b>PrecisionDrive™</b>	V	V	V	V	V	V	V
<b>Share-I-O™</b>			V	V	V	V	V
<b>Error Detection</b>			V		V	V	V
<b>Current Gain</b>				V	V	V	V
<b>High Precision at Low Current</b>	V						
<b>S-PWM™</b>						V	V
<b>Package</b>	P-DIP/SP-DIP/SOP/SSOP	P-DIP/SP-DIP/SOP/SSOP	P-DIP/SP-DIP/SOP/SSOP	P-DIP/SP-DIP/SOP/SSOP	P-DIP/SP-DIP/SOP/SSOP	SOP	SOP
<b>Major Applications</b>	Indoor video displays; Outdoor video displays; Message signs	Indoor video displays; Outdoor video displays; Message signs	Indoor video displays; Outdoor video displays; Message signs; VMS traffic signs	Indoor video displays; Outdoor video displays; Message signs	Indoor video displays; Outdoor video displays; Message signs; VMS traffic signs	Indoor video displays; Outdoor video displays; Message signs; VMS traffic signs	Indoor video displays; Outdoor video displays; Message signs; VMS traffic signs



## LED Backlighting Solutions

All-Ways-On™ Series					LED Driver for RGB LEDs	
	MBI1801	MBI1802	MBI1804	MBI1816		MBI1009
Channel	1	2	4	16	Channel	3
PrecisionDrive™	V	V	V	V	PrecisionDrive™	V
All-Ways-On™	V	V	V	V	Built-in LDO	
Max. Output Current per Channel	1.2A	360mA	240mA	60mA	Constant Output Current Range per Channel	5-40mA
Max. Sustaining Voltage	17V				Max. Sustaining Voltage	17V
Thermal Protection	V	V	V	V	Timing Regeneration	
Thermal Flag		V			Thermal Flag	
Package	SMD	SOP	SOP	TSSOP	Package	SSOP
Major Applications	LCD backlight	LCD backlight	LCD backlight	LCD backlight	Major Applications	LCD backlight

## LED Lighting Solutions

All-Ways-On™ Series					LED Driver for RGB Clusters		
	MBI1801	MBI1802	MBI1804	MBI1816		MBI1009	MBI6010
Channel	1	2	4	16	Channel	3	3
PrecisionDrive™	V	V	V	V	PrecisionDrive™	V	V
All-Ways-On™	V	V	V	V	Built-in LDO		V
Max. Output Current per Channel	1.2A	360mA	240mA	60mA	Constant Output Current Range per Channel	5-40mA	5-60mA
Max. Sustaining Voltage	17V				Max. Sustaining Voltage	17V	
Thermal Protection	V	V	V	V	Timing Regeneration		V
Thermal Flag		V			Thermal Flag		
Package	SMD	SOP	SOP	TSSOP	Package	SSOP	SSOP
Major Applications	High-flux lighting;	Automotive interior lighting	High-flux lighting; Automotive interior lighting;	Automotive interior lighting; Channel letter; Decoration lighting	Major Applications	Machine lighting	Channel letters; Landscape lighting; Neon replacement

**Macroblock**

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