



# 2011 AC/DC Product Selector Guide

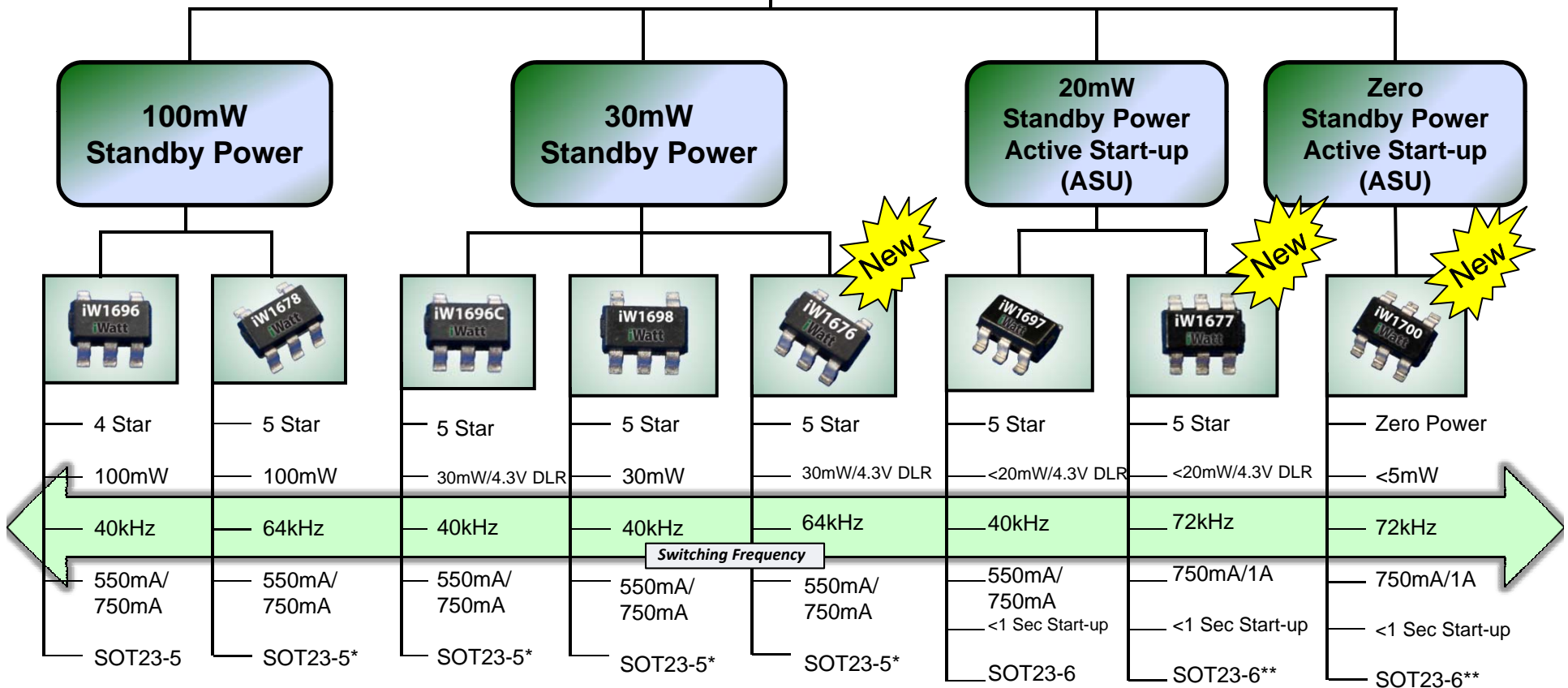
April, 2011

# AC/DC Low Power PWM IC Family

AC/DC PWM ICs  
(Low Power,  $\leq 5W$ )



No Opto-Coupler



\* Same pin-out and PCB as iW1696

\*\* Same pin-out and PCB as iW1697

# AC-DC Medium Power PWM IC Family

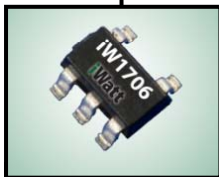
AC/DC PWM ICs  
(Medium Power,  $\leq 40W$ )



No Opto-Coupler

**iW1706**  
(Networking,  
Satellite Receiver)

New



- <100mW Standby Power
- 72kHz
- Up to 8W
- ~5% Load Transient
- SOT23-6

**iW1691**  
(Smart Phones,  
Media Tablets)



- 100mW Standby Power
- 130kHz
- Up to 10W
- ~5% Load Transient
- SO-8

**iW1710**  
(Networking,  
Satellite Receiver)



- 150mW Standby Power
- 130kHz
- Up to 40W
- ~8% Load Transient
- SO-8

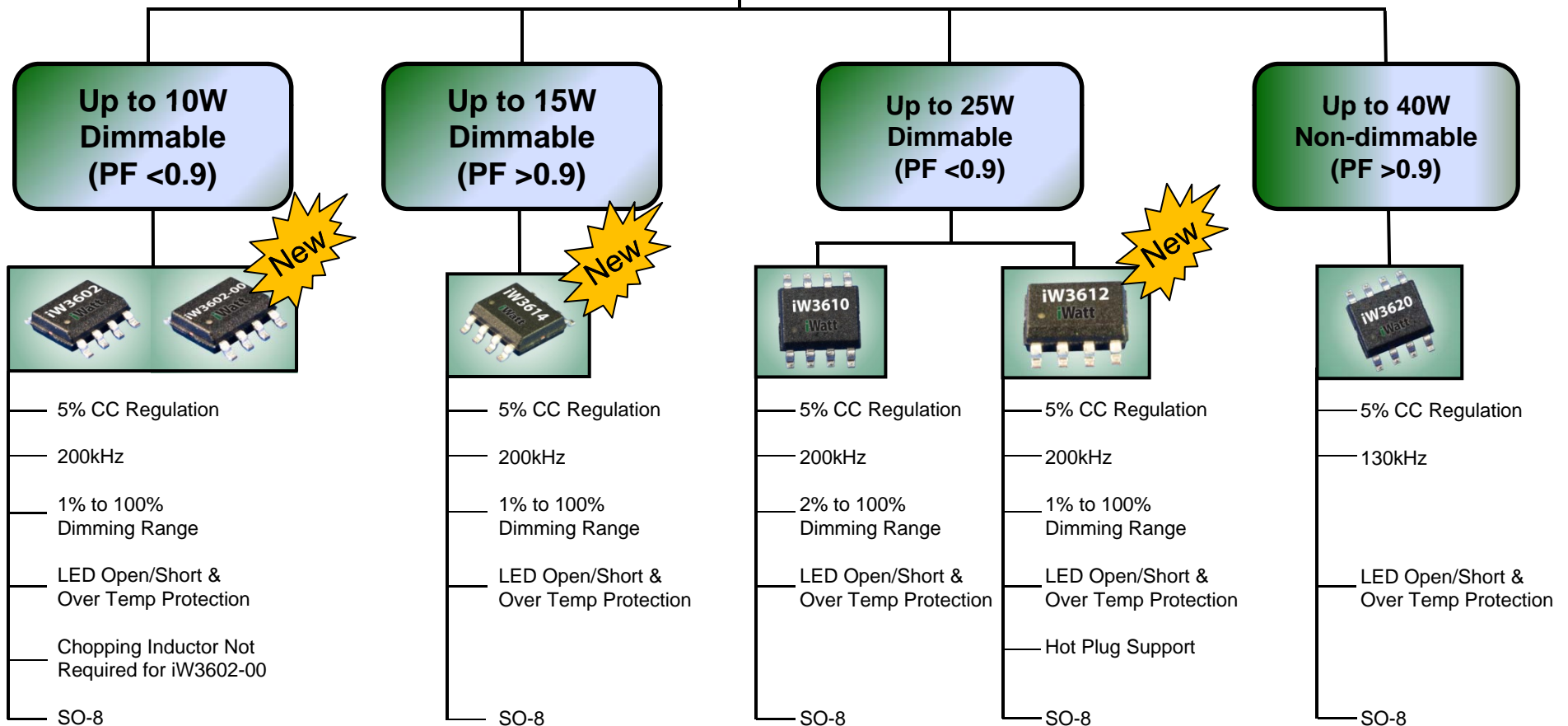
Switching Frequency

# AC/DC LED Solid State Lighting IC Family

## LED Solid State Lighting (AC/DC LED Driver ICs)






No Opto-Coupler



# AC/DC PWM IC Product Selector Guide

	Product	Power	Application	No-Load Standby Power	Switching Frequency	CV Tolerance	CC Tolerance	Driver Type	Cable Drop Comp	Pkg
Also Used For Non-dimmable LED Drivers	<b>iW1676</b>	1W - 5W	Charger/Adapter	< 30mW With 4.3V DLR	64kHz for small size	±3%	±3%	BJT	Yes	SOT23-5
	<b>iW1677</b>	1W - 5W	Charger/Adapter	< 20mW With 4.3V DLR	72kHz for small size	±3%	±3%	BJT	Yes	SOT23-6
	iW1678	1W - 5W	Charger/Adapter	< 100mW	64kHz for small size	±3%	±3%	BJT	Yes	SOT23-5
	iW1689	1W - 6W	Charger/Adapter	< 150mW	40kHz 50kHz	±3%	±5% + L <sub>M</sub>	FET	No	SOT23-5
	iW1690	1W - 5W	Charger/Adapter	< 150mW	45kHz 55kHz 65kHz	±3%	±4%	BJT	Yes	SO-8
	iW1691	3W - 10W	Charger/Adapter	< 100mW	130kHz (max) for small size	±3%	±5%	FET	Yes	SO-8
	iW1692	1W - 5W	Charger/Adapter/LED	< 150mW	40kHz	±3%	±3%	FET	Yes	SOT23-6
	iW1696	1W - 5W	Charger/Adapter/LED	< 50mW	40kHz	±3%	±3%	BJT	Yes	SOT23-5
	iW1696C	1W - 5W	Charger/Adapter	< 30mW With 4.3V DLR	40kHz	±3%	±3%	BJT	Yes	SOT23-5
	iW1697	1W - 5W	Charger/Adapter	< 20mW With 4.3V DLR	40kHz	±3%	±3%	BJT	Yes	SOT23-6
	iW1698	1W - 5W	Charger/Adapter	< 30mW	40kHz	±3%	±3%	BJT	Yes	SOT23-5
	<b>iW1700 Zero Power</b>	1W - 5W	Charger/Adapter	< 5mW	72kHz for small size	±3%	±3%	BJT	Yes	SOT23-6
	<b>iW1706</b>	1W - 10W	Adapter	< 100mW	72kHz for small size	±3%	±3%	BJT	Yes	SOT23-5
	iW1710	10W - 40W	Adapter	< 150mW	130kHz (max) for small size	±3%	±5%	FET	Yes	SO-8
iW1810	1W - 3.5W	Smart Meter, Industrial PS, Home Appliance PS	< 100mW	64kHz for small size	±3%	±3%	Internal 800V BJT	No	SO-8	

# AC/DC LED Driver Product Selector Guide

	<i>Product</i>	<i>Power</i>	<i>Application</i>	<i>No-Load Standby Power</i>	<i>Switching Frequency</i>	<i>CC Tolerance</i>	<i>Driver Type</i>	<i>Package</i>
<b>ASSP LED Driver ICs</b>	 <b>iW3602</b>	3W - 10W	LED Lighting ( Dimmable )	< 300mW	<b>200kHz (max) for small size</b>	±5%	FET	SO-8
	iW3610	5W - 25W	LED Lighting ( Dimmable )	< 300mW	<b>200kHz (max) for small size</b>	±5%	FET	SO-8
	 <b>iW3612</b>	8W - 25W	LED Lighting ( Dimmable )	< 300mW	<b>200kHz (max) for small size</b>	±5%	FET	SO-8
	 <b>iW3614</b>	3W - 15W	LED Lighting, high PF (>0.9) ( Dimmable )	< 300mW	<b>200kHz (max) for small size</b>	±5%	FET	SO-8
	iW3620	3W - 40W	LED Lighting ( Non-Dimmable )	< 300mW	<b>130kHz (max) for small size</b>	±5%	FET	SO-8