

# Power, Selection Guide Q2, 2012

HIGH VOLTAGE PRODUCTS							
Samples	Device	AC/DC Primary Switchers	Max. Offset Voltage	Peak Drain Current	Max. RDS(on)	Package	Features
Now	TF12A	8W, Low Power Off-Line SMPS Primary Switcher	730V	0.40A	30mΩ	PDIP-8, SOIC-8(N)	Integrated MOSFET, Over-Voltage, Over-Current and Over-Temperature Protection
Now	TF22A	12W, Low Power Off-Line SMPS Primary Switcher	730V	0.70A	17mΩ	PDIP-8, SOIC-8(N)	
Samples	Device	High Voltage Gate Drivers	Max Offset Voltage	Max. Output Current	Ton/Toff (typ)	Package	Features
Now	TF2110	High-Side and Low-Side Gate Drivers	500V	2.5A Io+, 2.5A Io-	120ns/94ns	PDIP-14, SOIC-14(N), SOIC-16(W)	Shutdown Pin, Separate VSS and COM
Now	TF2113	High-Side and Low-Side Gate Drivers	600V	2.5A Io+, 2.5A Io-	120ns/94ns	PDIP-14, SOIC-14(N), SOIC-16(W)	Shutdown Pin, Separate VSS and COM
Now	TF2101	High Side and Low Side Gate Driver	600V	0.21A Io+, 0.36A Io-	160ns/150ns	PDIP-8, SOIC-8	Separate VSS and COM
Now	TF2184	Half-Bridge Driver	600V	1.4A Io+, 1.8A Io-	680ns/270ns	PDIP-8, SOIC-8	Shutdown Pin
Now	TF21844	Half-Bridge Driver	600V	1.4A Io+, 1.8A Io-	680ns/270ns	PDIP-14, SOIC-14	Shutdown Pin, Programmable Deadtime, Separate VSS and COM
Now	TF2117	High Side Driver	600V	0.29A Io+, 0.60A Io-	125ns/105ns	PDIP-8, SOIC-8	Output In Phase With Input
Now	TF2118	High Side Driver	600V	0.29A Io+, 0.60A Io-	125ns/105ns	PDIP-8, SOIC-8	Output Out Of Phase With Input
Q2	TF2106	High-Side and Low-Side Gate Drivers	600V	0.20A Io+, 0.35A Io-	220ns/200ns	PDIP-8, SOIC-8	
Q2	TF21064	High-Side and Low-Side Gate Drivers	600V	0.20A Io+, 0.35A Io-	220ns/200ns	PDIP-14, SOIC-14	Separate VSS and COM
Q2	TF2108	Half-Bridge Driver	600V	0.29A Io+, 0.60A Io-	220ns/200ns	PDIP-8, SOIC-8	
Q2	TF21084	Half-Bridge Driver	600V	0.29A Io+, 0.60A Io-	220ns/200ns	PDIP-14, SOIC-14	Programmable Deadtime, Separate VSS and COM
Q2	TF2304	Half-Bridge Driver	600V	0.29A Io+, 0.60A Io-	150ns/150ns	PDIP-8, SOIC-8	Internal 100ns Deadtime



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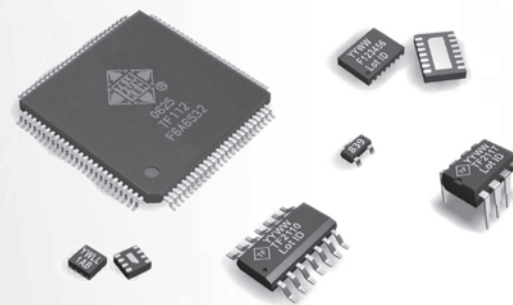
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LOW VOLTAGE PRODUCTS							
Samples	Device	LED Drivers	Input Voltage	Reference Voltage	Frequency	Package	Features
Now	TF4601A	1 MHz Asynchronous Step-Up Regulator LED Driver	2.5V-5.5V	104mV	1MHz	TSOT23-6, DFN-8	20V, 45V Over Voltage Threshold; 1.2A Over Current Threshold
Now	TF4601B	1 MHz Asynchronous Step-Up Regulator LED Driver	2.5V-5.5V	300mV	1MHz	TSOT23-6, DFN-8	
Now	TF4602	1.3 MHz Asynchronous Step-Up Regulator LED Driver	2.5V-5.5V	104mV	1.3MHz	TSOT23-6, DFN-8	
Now	TF4602	1.3 MHz Asynchronous Step-Up Regulator LED Driver	2.5V-5.5V	104mV	1.3MHz	TSOT23-6, DFN-8	28V Over Voltage Threshold; 1.33A Over Current Threshold
Samples	Device	DC-DC Regulators	Input Voltage	Max. Output Current	Frequency	Package	Features
Now	TF6001	1A, 26V Synchronous Rectified Step-Down Converter	4.5V-26V	1A	340kHz	SOIC-8(N)	Integrated MOSFETs, Programmable Soft Start, Cycle By Cycle Over Current Protection
Now	TF6002	2A, 26V Synchronous Rectified Step-Down Converter	4.5V-26V	2A	340kHz	SOIC-8(N)	
Now	TF6003	3A, 26V Synchronous Rectified Step-Down Converter	4.5V-26V	3A	340kHz	SOIC-8EP	Same as 6002 + High Precision (+/- 1.5%)
Now	TF6002A	2A, 26V Synchronous Rectified Step-Down Converter	4.5V-26V	2A	340kHz	SOIC-8(N)	
Now	TF6003A	3A, 26V Synchronous Rectified Step-Down Converter	4.5V-26V	3A	340kHz	SOIC-8EP	Same as 6003 + High Efficiency
Now	TF6006	500mA, 26V Synchronous Rectified Step-Down Converter	4.5V-26V	0.5A	500kHz	DFN-8	
Q2	TF6012	2A, 500kHz Synchronous Step-Down Converter	4.5V-21V	2A	500kHz	SOIC-8(N)-EP	Integrated MOSFETs, Sync to External Clock, Over Current Protection, Thermal Shutdown
Q2	TF6013	3A, 500kHz Synchronous Step-Down Converter	4.5V-21V	3A	500kHz	SOIC-8(N)-EP	
Q2	TF6014	4A, 500kHz Synchronous Step-Down Converter	4.5V-21V	4A	500kHz	SOIC-8(N)-EP	
Q2	TF6015	5A, 500kHz Synchronous Step-Down Converter	4.5V-21V	5A	500kHz	SOIC-8(N)-EP	
Q2	TF60112	2A, 500kHz Synchronous Step-Down Converter	4.5V-21V	2A	500kHz	DFN-14	Integrated MOSFETs, Programmable Soft Start, Sync to External Clock, Over Current Protection, Thermal Shutdown
Q2	TF60113	3A, 500kHz Synchronous Step-Down Converter	4.5V-21V	3A	500kHz	DFN-14	
Q2	TF60114	4A, 500kHz Synchronous Step-Down Converter	4.5V-21V	4A	500kHz	DFN-14	
Q2	TF60115	5A, 500kHz Synchronous Step-Down Converter	4.5V-21V	5A	500kHz	DFN-14	



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