

TF Semi Power Products Selection Guide, Summer 2016

Telefunken Device	Name	Max. Offset Voltage	Sink/Source Current (typ)	Inputs	Deadtime	Ton/Toff	Rise/Fall	Package
TF2101	High-Side/Low-Side Gate Driver	600	290mA/600mA	HIN/LIN	none	160ns/150ns	70ns/35ns	SOIC14(N)/SOIC8(N)/PDIP8
TF2106	High-Side/Low-Side Gate Driver	600	290mA/600mA	HIN/LIN	none	220ns/200ns	100ns/35ns	SOIC8(N)/PDIP8
TF21064	High-Side/Low-Side Gate Driver	600	290mA/600mA	HIN/LIN	none	220ns/200ns	100ns/35ns	SOIC14(N)/PDIP14
TF2110	High-Side/Low-Side Gate Driver	600	2.5A/2.5A	HIN/LIN	none	105ns/94ns	15ns/13ns	SOIC16(W)/PDIP14
TF2113	High-Side/Low-Side Gate Driver	600	2.5A/2.5A	HIN/LIN	none	105ns/94ns	15ns/13ns	SOIC16(W)/PDIP14
TF2190	High-Side/Low-Side Gate Driver	600	4.5A/4.5A	HIN/LIN	none	140ns/140ns	25ns/20ns	SOIC8(N)
TF21904	High-Side/Low-Side Gate Driver	600	4.5A/4.5A	HIN/LIN	none	140ns/140ns	25ns/20ns	SOIC14(N)
TF2181	High-Side/Low-Side Gate Driver	600	1.9A/2.3A	HIN/LIN	none	180ns/220ns	40ns/20ns	SOIC8(N)/PDIP8
TF21814	High-Side/Low-Side Gate Driver	600	1.9A/2.3A	HIN/LIN	none	180ns/220ns	40ns/20ns	SOIC14(N)/PDIP14
TF2117	Single Channel Driver	600	290mA/600mA	IN	none	125ns/105ns	75ns/35ns	SOIC8(N)/PDIP8
TF2118	Single Channel Driver	600	290mA/600mA	IN*	none	125ns/105ns	75ns/35ns	SOIC8(N)/PDIP8
TF21173L	Triple High-Side Gate Driver	600	250mA/500mA	UHIN/VHIN/WIN	none	600ns/350ns	70ns/30ns	SOIC28(W)
TFG1200	High-Side/Low-Side eGaN® Gate Driver	200	1.2A/5.0A	HI/LI	none	25ns/25ns	7.0ns/1.5ns	eTSSOP14/TDFN10
TF1125	High Speed Logic Level Gate Driver	200	1.2A/5.0A	HI/LI	none	25ns/25ns	7.0ns/1.5ns	eTSSOP14/TDFN10
TF1123	High Speed Logic Level Gate Driver	200	0.8A/3.3A	HI/LI	none	25ns/25ns	7.0ns/1.5ns	eTSSOP14/TDFN10
TF1121	High Speed Logic Level Gate Driver	200	0.4A/1.67A	HI/LI	none	25ns/25ns	7.0ns/1.5ns	eTSSOP14/TDFN10

Telefunken Device	Name	Max. Offset Voltage	Sink/Source Current (typ)	Inputs	Deadtime	Ton/Toff	Rise/Fall	Package
TF2103	Half-Bridge Gate Driver	600	290mA/600mA	HIN/LIN*	520ns	680ns/150ns	70ns/35ns	SOIC8(N)/PDIP8
TF2104	Half-Bridge Gate Driver	600	290mA/600mA	IN/SD*	520ns	680ns/150ns	70ns/35ns	SOIC8(N)/PDIP8
TF2103A	Half-Bridge Gate Driver	600	210mA/360mA	HIN/LIN*	520ns	680ns/150ns	100ns/50ns	SOIC8(N)/PDIP8
TF2104A	Half-Bridge Gate Driver	600	210mA/360mA	IN/SD*	520ns	680ns/150ns	100ns/50ns	SOIC8(N)/PDIP8
TF2003	Half-Bridge Gate Driver	200	290mA/600mA	HIN/LIN*	520ns	680ns/150ns	70ns/35ns	SOIC8(N)/PDIP8
TF2108	Half-Bridge Gate Driver	600	290mA/600mA	HIN/LIN*	540ns	220ns/200ns	100ns/35ns	SOIC8(N)/PDIP8
TF21084	Half-Bridge Gate Driver	600	290mA/600mA	HIN/LIN*	540ns - 5ms	220ns/200ns	100ns/35ns	SOIC14(N)/PDIP14
TF2184	Half-Bridge Gate Driver	600	1.9A/2.3A	IN/SD*	400ns	680ns/270ns	40ns/20ns	SOIC8(N)/PDIP
TF21844	Half-Bridge Gate Driver	600	1.9A/2.3A	IN/SD*	400ns - 5ms	680ns/270ns	40ns/20ns	SOIC14(N)/PDIP14
TF23892	3-Phase Half-Bridge Gate Driver	600V	350mA/650mA	3xHIN*/3xLIN*	290ns	500ns/500ns	50ns/30ns	SOIC28
TF2136	3-Phase Half-Bridge Gate Driver	600V	200mA/350mA	3xHIN*/3xLIN*	290ns	500ns/500ns	125ns/50ns	SOIC28
TF1692	3-Phase Half-Bridge Gate Driver	250V	350mA/650mA	3xHIN*/3xLIN*	290ns	500ns/500ns	50ns/30ns	SOIC28
TF1636	3-Phase Half-Bridge Gate Driver	250V	200mA/350mA	3xHIN*/3xLIN*	290ns	500ns/500ns	125ns/50ns	SOIC28
TF0692	3-Phase Half-Bridge Gate Driver	100V	350mA/650mA	3xHIN*/3xLIN*	290ns	500ns/500ns	50ns/30ns	SOIC28
TF0636	3-Phase Half-Bridge Gate Driver	100V	200mA/350mA	3xHIN*/3xLIN*	290ns	500ns/500ns	125ns/50ns	SOIC28
TF1503	Half-Bridge Gate Driver	200V	290mA/600mA	HIN/LIN*	520ns	680ns/150ns	70ns/35ns	SOIC8(N)
TF1504	Half-Bridge Gate Driver	200V	290mA/600mA	IN/SD*	520ns	680ns/150ns	70ns/35ns	SOIC8(N)
TF0503	Half-Bridge Gate Driver	100V	290mA/600mA	HIN/LIN*	520ns	680ns/150ns	70ns/35ns	TDFN10
TF0504	Half-Bridge Gate Driver	100V	290mA/600mA	IN/SD*	520ns	680ns/150ns	70ns/35ns	TDFN10
TF0506	High Frequency Half-Bridge Gate Driver with Programmable Deadtime	50V	1.5A/2.5A	IN/EN	90ns/520ns	30ns/22ns	30ns/15ns	TDFN10
TF0507	High Frequency Half-Bridge Gate Driver	50V	1.5A/2.5A	HIN/LIN/EN	none	22ns/22ns	30ns/15ns	TDFN10