

# TFSS Gate Driver Selection Guide Spring 2021

# TFSS 200V – 250V GATE DRIVERS

Telefunken Device ID	Type/Description	Max. Offset Voltage	Sink/Source Current (typ)	Inputs	Deadtime	Ton/Toff	Rise/Fall	Package
TF1503	Half Bridge Gate Driver	250	290mA/600mA	HIN/LIN*	520ns	680ns/150ns	70ns/35ns	SOIC8(N)/ PDIP8
TF1504	Half Bridge Gate Driver	250	290mA/600mA	HIN/LIN*	520ns	680ns/150ns	70ns/35ns	SOIC8(N)/ PDIP9
TF1581	High Side/Low Side Gate Driver	250	1.9A/2.3A	HIN/LIN	none	180ns/220ns	40ns/20ns	SOIC8(N)
TF1584	Half Bridge Gate Driver	250	1.9A/2.3A	IN/SD*	400ns	680ns/270ns	40ns/20ns	SOIC8(N)
TF1636	3-Phase Gate Driver	250	200mA/350mA	HIN/LIN*	290ns	330ns/330ns	90ns/35ns	SOIC28(W)
TF1692	3-Phase Gate Driver	250	350mA/650mA	HIN/LIN*	290ns	500ns/500ns	50ns/30ns	SOIC28(W)
TF2003	Half Bridge Gate Driver	200	290mA/600mA	HIN/LIN*	420ns	680ns/150ns	70ns/35ns	SOIC8(N)
TF2004	Half Bridge Gate Driver	200	290mA/600mA	HIN/LIN*	420ns	680ns/150ns	70ns/35ns	SOIC8(N)
TF2005	High Side/Low Side Gate Driver	200	290mA/600mA	HIN/LIN*	none	160ns/150ns	70ns/30ns	SOIC8(N)
TF2011	High Side/Low Side Gate Driver	200	1.0A/1.0A	HIN/LIN*	none	120ns/120ns	30ns/30ns	SOIC8(N)
TF2012	High Side/Low Side Gate Driver	200	1.9A/2.3A	HIN/LIN*	none	120ns/120ns	30ns/30ns	SOIC8(N)

## **TFSS 600V GATE DRIVERS**

Telefunken Device ID	Type/Description	Max. Offset Voltage	Sink/Source Current (typ)	Inputs	Deadtime	Ton/Toff	Rise/Fall	Package
TF2101M	High-Side/Low- Side Gate Driver	600	290mA/600mA	HIN/LIN	none	160ns/150ns	70ns/35ns	SOIC14(N)/ SOIC8(N)
TF2103M	Half-Bridge Gate Driver	600	290mA/600mA	HIN/LIN*	520ns	680ns/150ns	70ns/35ns	SOIC8(N)/ PDIP8
TF2104M	Half-Bridge Gate Driver	600	290mA/600mA	IN/SD*	520ns	680ns/150ns	70ns/35ns	SOIC8(N)/ PDIP8
TF2106M	High-Side/Low- Side Gate Driver	600	290mA/600mA	HIN/LIN	none	220ns/200ns	100ns/35ns	SOIC8(N)/ PDIP8
TF21064M	High-Side/Low- Side Gate Driver	600	290mA/600mA	HIN/LIN	none	220ns/200ns	100ns/35ns	SOIC14(N)/ PDIP14
TF2110M	High-Side/Low- Side Gate Driver	600	2.5A/2.5A	HIN/LIN	none	105ns/94ns	15ns/13ns	SOIC16(W)/ PDIP14
TF2113M	High-Side/Low- Side Gate Driver	600	2.5A/2.5A	HIN/LIN	none	105ns/94ns	15ns/13ns	SOIC16(W)/ PDIP14
TF2190M	High-Side/Low- Side Gate Driver	600	4.5A/4.5A	HIN/LIN	none	140ns/140ns	25ns/20ns	SOIC8(N)
TF21904M	High-Side/Low- Side Gate Driver	600	4.5A/4.5A	HIN/LIN	none	140ns/140ns	25ns/20ns	SOIC14(N)
TF2181M	High-Side/Low- Side Gate Driver	600	1.9A/2.3A	HIN/LIN	none	180ns/220ns	40ns/20ns	SOIC8(N)/ PDIP8
TF21814M	High-Side/Low- Side Gate Driver	600	1.9A/2.3A	HIN/LIN	none	180ns/220ns	40ns/20ns	SOIC14(N)/ PDIP14
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
TF2184M	Half-Bridge Gate Driver	600	1.9A/2.3A	IN/SD*	400ns	680ns/270ns	40ns/20ns	SOIC8(N)/ PDIP
TF21844M	Half-Bridge Gate Driver	600	1.9A/2.3A	IN/SD*	400ns - 5ms	680ns/270ns	40ns/20ns	SOIC14(N)/ PDIP14
TF21364M	3-Phase Gate Driver	600	200mA/350mA	HIN*/LIN*	290ns	330ns/330ns	90ns/35ns	SOIC28(W)
TF2136M	3-Phase Gate Driver	600	200mA/350mA	HIN/LIN*	290ns	330ns/330ns	90ns/35ns	SOIC28(W)
TF2304M	Half Bridge Gate Driver	600	290mA/600mA	HIN/LIN*	100ns	150ns/150ns	70ns/35ns	SOIC8(N)
TF23892M	3-Phase Gate Driver	600	350mA/650mA	HIN/LIN*	290ns	500ns/500ns	50ns/30ns	SOIC28(W)

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