

3875081 G E SOLID STATE

01E 11063 D

U1897-U1899



T-35-25

U1897-U1899

ELECTRICAL CHARACTERISTICS (Continued) ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Symbol	Parameter	Test Conditions	U1897		U1898		U1899		Units	
			Min	Max	Min	Max	Min	Max		
C_{dg}	Drain-Gate Capacitance	$V_{DG} = 20\text{V}, I_S = 0$		5		5		5	pF	
C_{gg}	Source-Gate Capacitance	$V_{SG} = 20\text{V}, I_D = 0$		5		5		5		
C_{iss}	Common-Source Input Capacitance	$V_{DS} = 20\text{V}, V_{GS} = 0$ $f = 1\text{MHz}$ (Note 2)		16		16		16		
C_{rss}	Common-Source Reverse Transfer Capacitance			3.5		3.5		3.5		
$t_{d(on)}$	Turn ON Delay Time (Note 2)	Switching Time Test Conditions				15		15	20	ns
t_r	Rise Time (Note 2)					10		20	40	
t_{off}	Turn OFF Time (Note 2)	V_{DD}	3V	3V	3V					
		$V_{GS(on)}$	0	0	0					
		$V_{GS(off)}$	-12V	-8V	-6V	40		60	80	
		R_L	425Ω	770Ω	1120Ω					
		$I_{D(on)}$	6.6mA	4mA	2.5mA					

NOTES: 1. Pulse test pulsewidth = 300μs; duty cycle < 3%.
2. For design reference only, not 100% tested.

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NOTE: All typical values have been characterized but are not tested.