



3875081 G E SOLID STATE

01E 11057 D

**U304-U306**



T-37-25

U304-U306

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

Symbol	Parameter	Test Conditions			U304		U305		U306		Units		
					Min	Max	Min	Max	Min	Max			
$C_{iss}$	Common-Source Input Capacitance (Note 2)	$V_{DS} = -15\text{V}$ , $V_{GS} = 0$			$f = 1\text{MHz}$				27		27		
$C_{rss}$	Common-Source Reverse Transfer Capacitance (Note 2)	$V_{DS} = 0$ , $V_{GS} = 12\text{V}$ (U304) $V_{GS} = 7\text{V}$ (U305), $V_{GS} = 5\text{V}$ (U306)				7		7		7		pF	
$t_{d(on)}$	Turn-ON Delay Time (Note 2)		U304	U305	U306							ns	
		$V_{DD}$	-10V	-6V	-6V		20		25		25		
$t_r$	Rise Time (Note 2)	$V_{GS(off)}$	12V	7V	5V		15		25		35		
$t_{d(off)}$	Turn-OFF Delay Time (Note 2)	$R_L$	580 $\Omega$	743 $\Omega$	1800 $\Omega$		10		15		20		
$t_f$	Fall Time (Note 2)	$V_{GS(on)}$	0	0	0		25		40		60		
		$i_{D(on)}$	-15mA	-7mA	-3mA								

NOTES: 1. Pulse test pulsewidth=300 $\mu\text{s}$ , duty cycle $\leq$ 3%.  
2. For design reference only, not 100% tested.

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