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TECHNICAL DATA SHEET

N-CHANNEL J-FET Equivalent To MIL-PRF-19500/385

DYNAMIC CHARACTERISTICS

Parameters / Test Conditions	Symbol	Min.	Max.	Unit
Small-Signal, Common Short-Circuit Reverse Transfer Capacitance $V_{GS} = -10V$ dc, $V_{DS} = 0$, $f = 1.0MHz$ $C_1 = 0.1\mu F$, $L_1 = L_2 \geq 500\mu H$	C_{rss}		8.0	pF
Small-Signal, Common-Source Short-Circuit Input Capacitance $V_{GS} = -10V$ dc, $V_{DS} = 0$, $f = 1.0MHz$ $C_1 = 0.1\mu F$, $C_2 = 20.1\mu F$ $L_1 = L_2 \geq 500\mu H$	C_{iss}		18	pF

SWITCHING CHARACTERISTICS

Parameters / Test Conditions		Symbol	Min.	Max.	Unit
Turn-On Delay Time	2N4856, 2N4859 2N4857, 2N4860 2N4858, 2N4861	See Figure 3 of MIL-PRF-19500/385	$t_{d(on)}$	6 6 10	ηs
Rise Time	2N4856, 2N4859 2N4857, 2N4860 2N4858, 2N4861		t_r	3 4 10	ηs
Turn-Off Delay Time	2N4856, 2N4859 2N4857, 2N4860 2N4858, 2N4861		$t_{d(off)}$	25 50 100	ηs