

N-Channel Enhancement-Mode MOSFET

DESIGNED FOR:

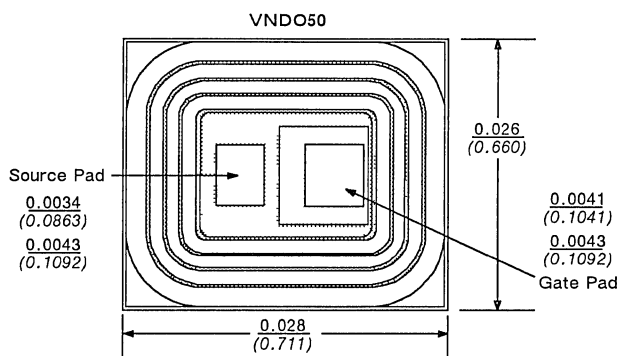
- Switching
- Spike Protection

FEATURES

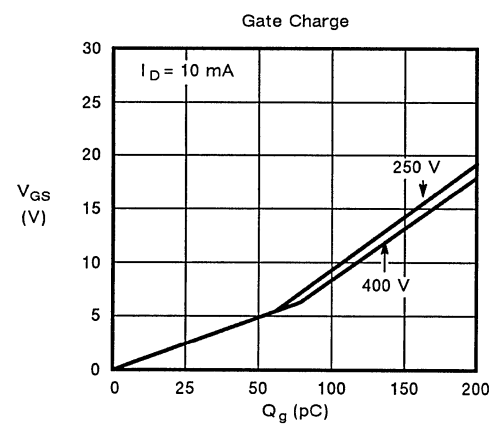
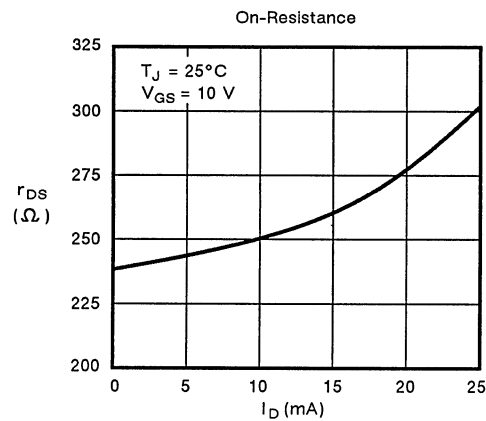
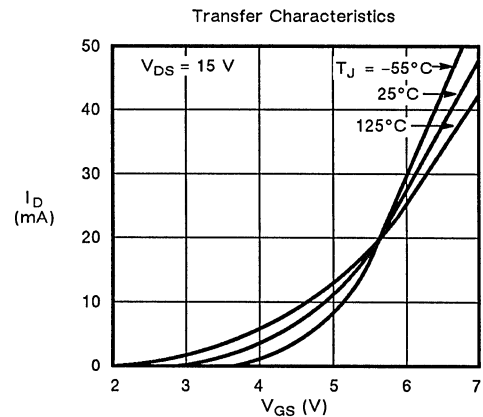
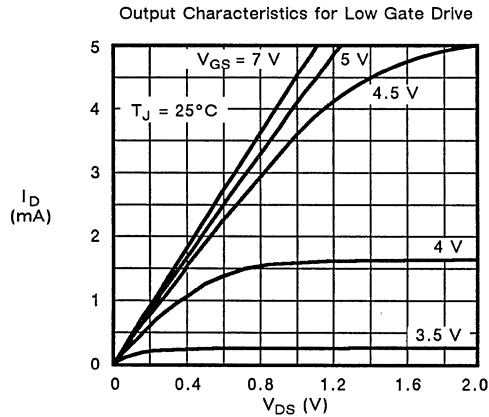
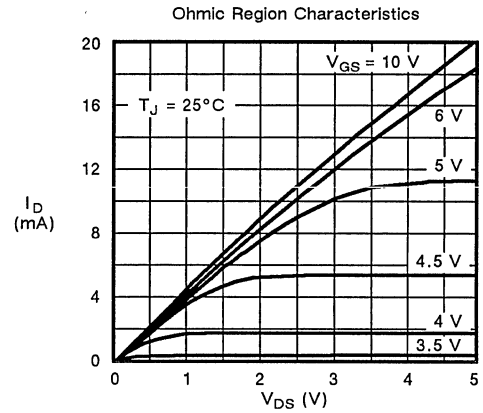
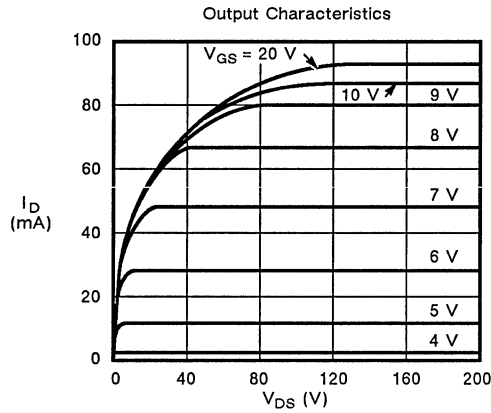
- High Breakdown 450 V
- Available in Surface Mount Package SOT-23

TYPE	PACKAGE	DEVICE
Single	TO-92	• VN45350L • VN50300L
	SOT-23	• VN45350T • VN50300T
	Chip	• Available as above specifications

GEOMETRY DIAGRAM

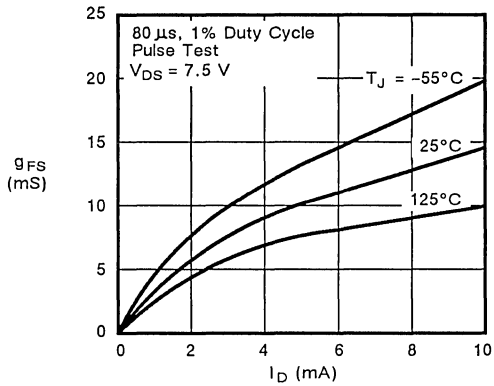


TYPICAL CHARACTERISTICS

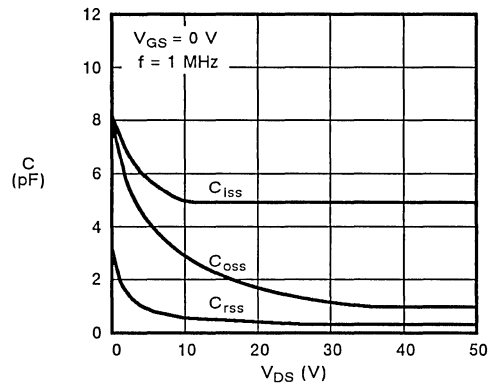


TYPICAL CHARACTERISTICS

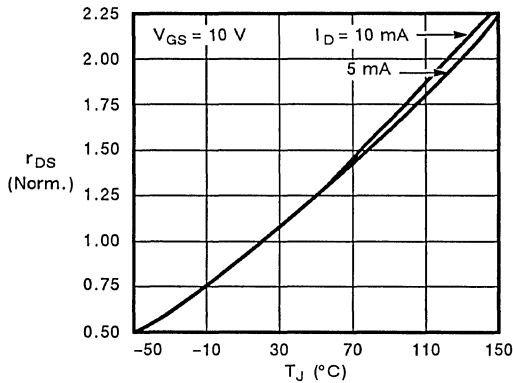
Transconductance



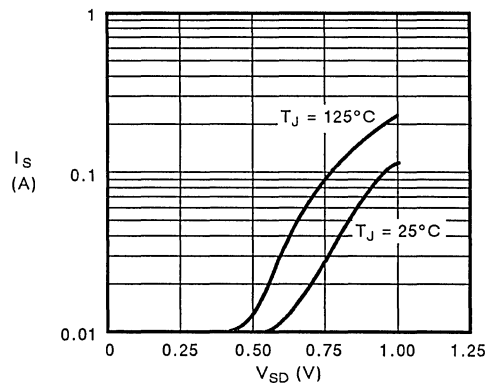
Capacitance



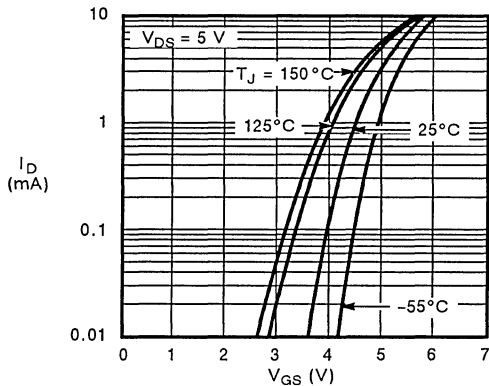
On-Resistance vs. Junction Temperature



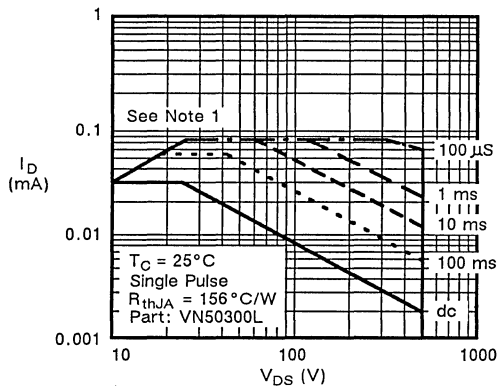
Source-Drain Diode Forward Voltage



Threshold Region



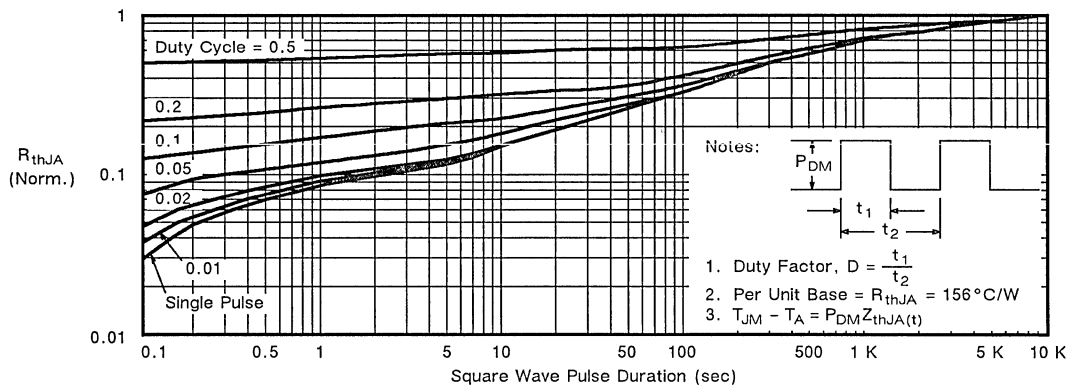
Safe Operating Area



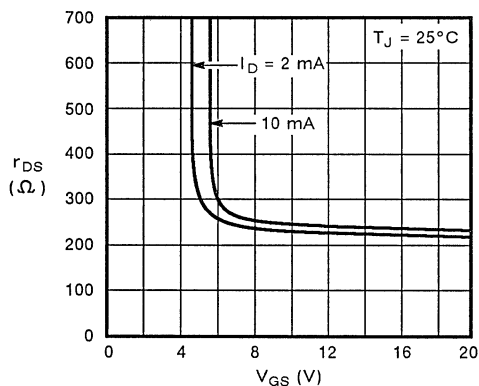
¹Operation in this area may be limited by $r_{DS(ON)}$

TYPICAL CHARACTERISTICS

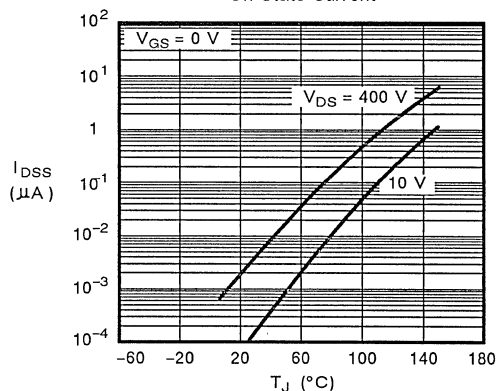
Normalized Effective Transient Thermal Impedance, Junction-to-Ambient (TO-92)



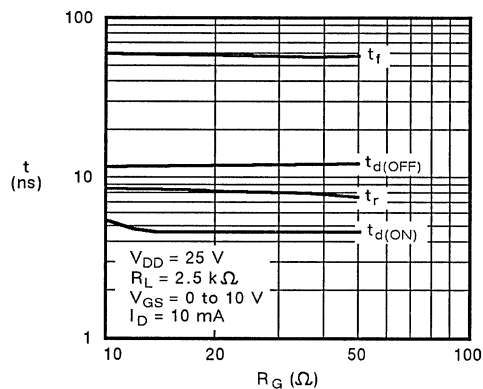
On-Resistance vs. Gate to Source Voltage



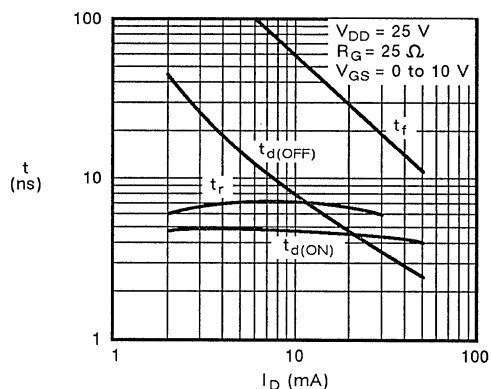
Off State Current



Drive Resistance Effects on Switching

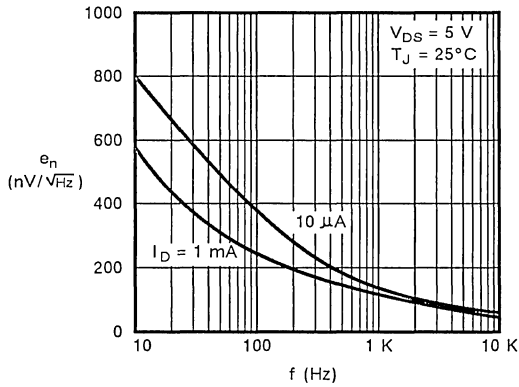


Load Condition Effects on Switching

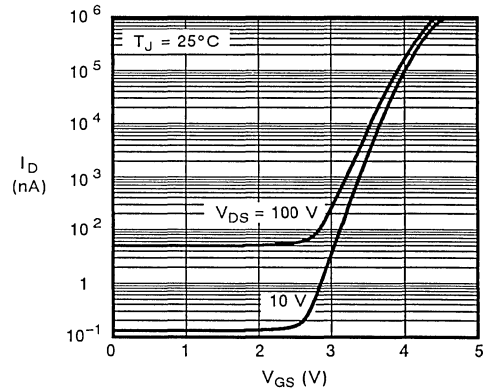


TYPICAL CHARACTERISTICS

Equivalent Input Noise Voltage vs. Frequency



Body Drain Leakage Current



Output Conductance vs. Drain Current

