

N-Channel Enhancement-Mode MOSFET

DESIGNED FOR:

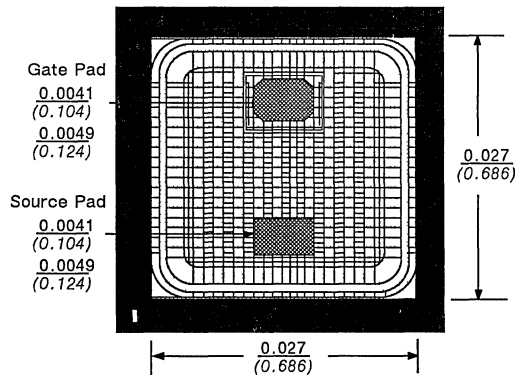
- Switching
- Amplification

FEATURES

- Low $r_{DS(on)} < 10\ \Omega$
- Low Cost
- Surface Mount Package SOT-23

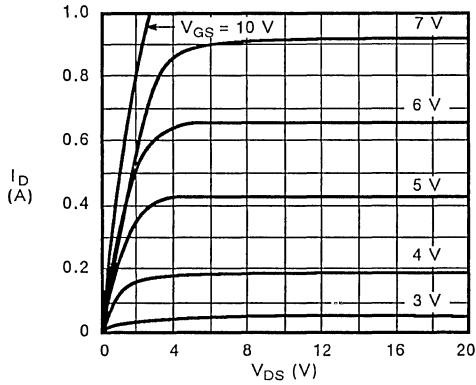
TYPE	PACKAGE	DEVICE
Single	TO-206AC	• VN10LE
	TO-92	• 2N7000, 2N7008 VN0603L, VN0610LL VN2222LL
	TO-237	• VN2222LM
	SOT-23	• VN0603T, VN0605T 2N7002
Quad	14-Pin Plastic	• VQ1000J
	14-Pin Dual-In-Line	• VQ1000P
	Chip	• Available as above specifications

GEOMETRY DIAGRAM

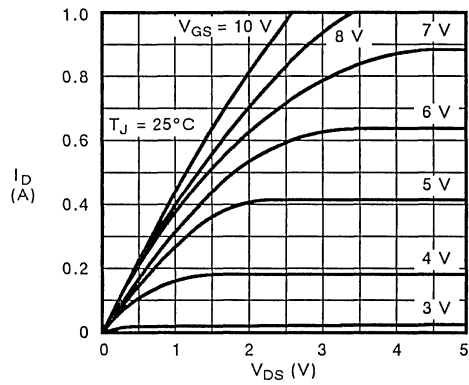


TYPICAL CHARACTERISTICS

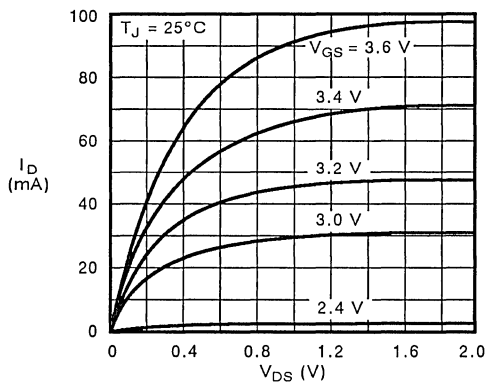
Output Characteristics



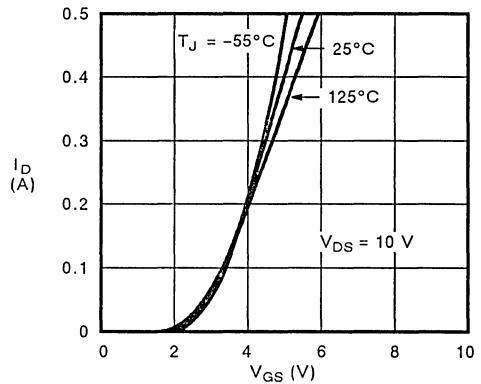
Ohmic Region Characteristics



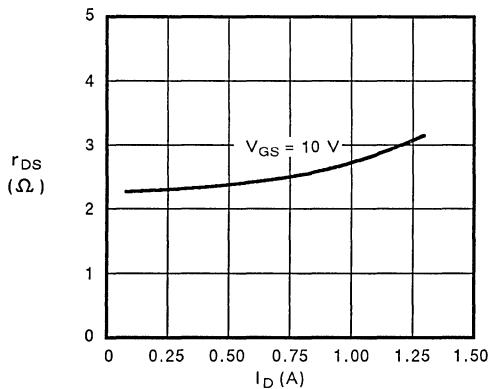
Output Characteristics for Low Gate Drive



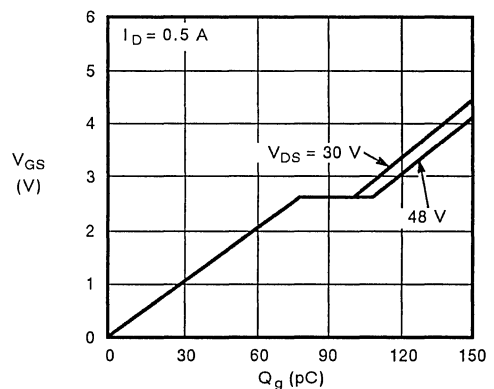
Transfer Characteristics



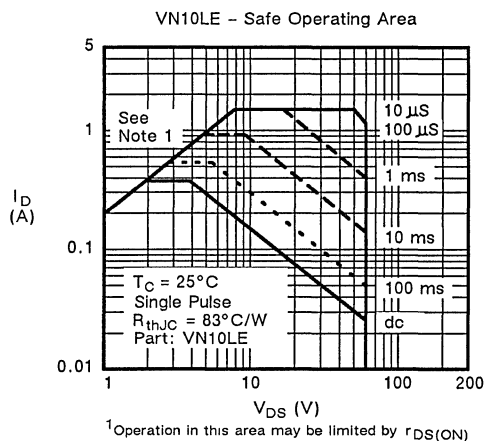
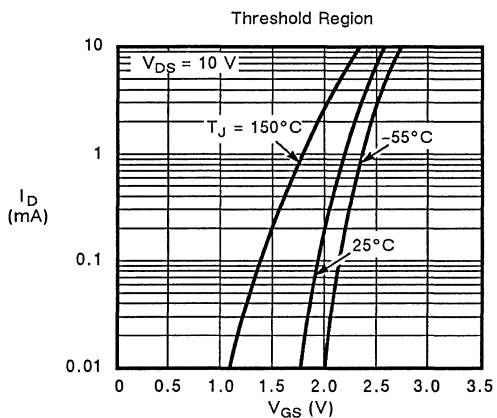
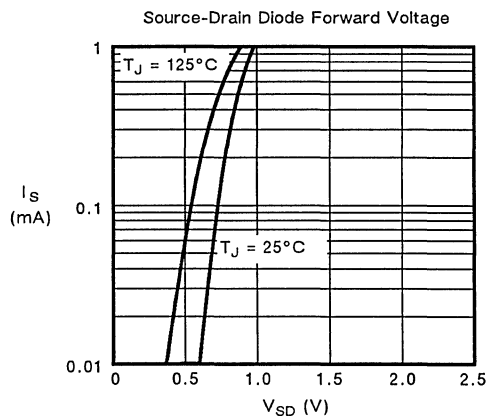
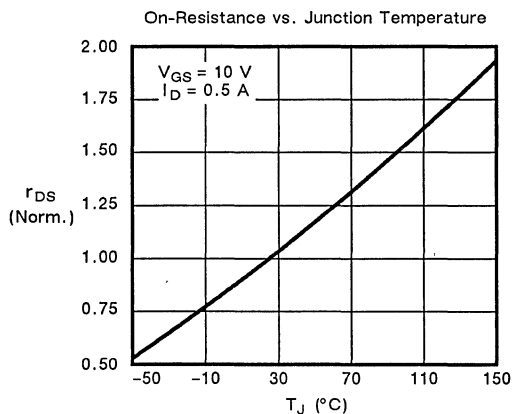
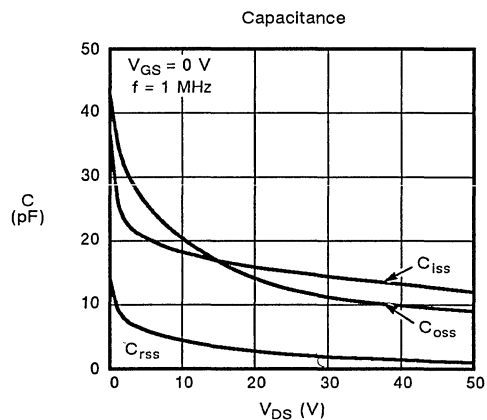
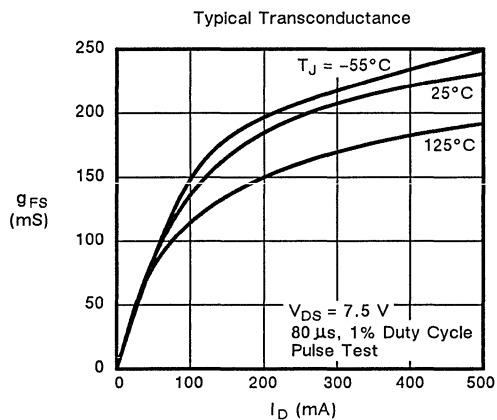
On-Resistance



Typical Gate Charge

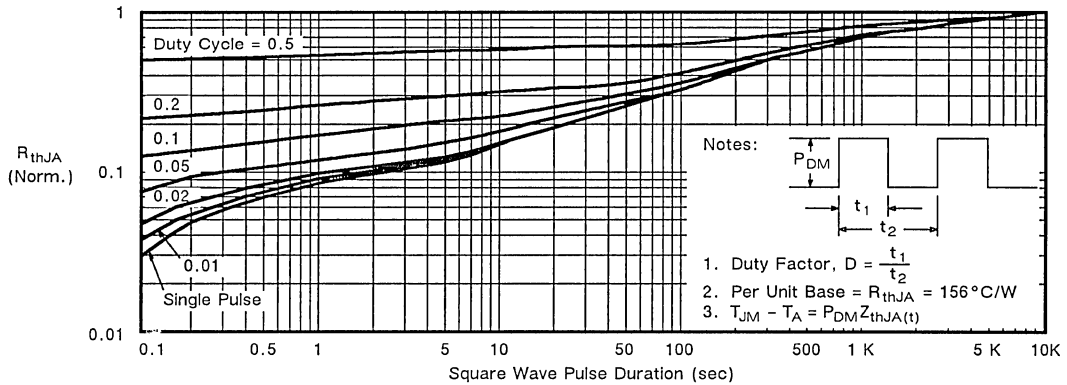


TYPICAL CHARACTERISTICS

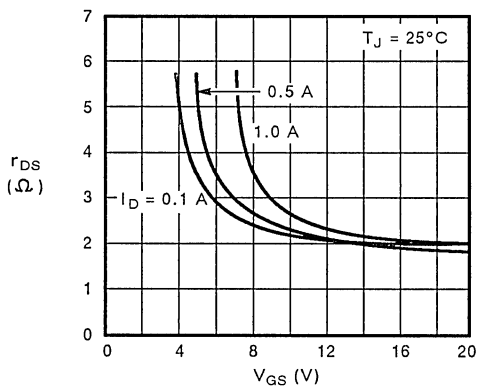


TYPICAL CHARACTERISTICS

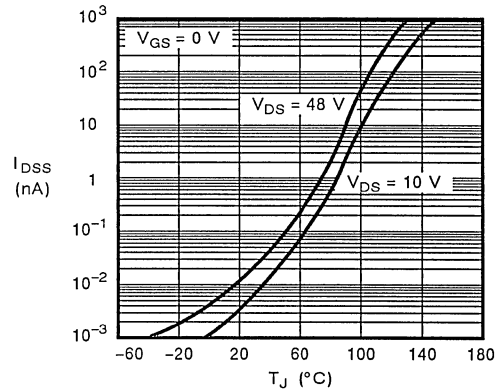
Normalized Effective Transient Thermal Impedance, Junction-to-Ambient (TO-92)



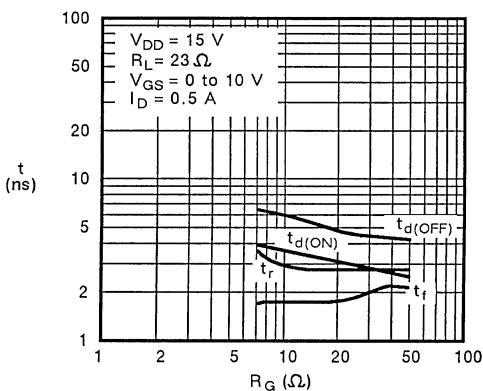
On-Resistance vs. Gate to Source Voltage



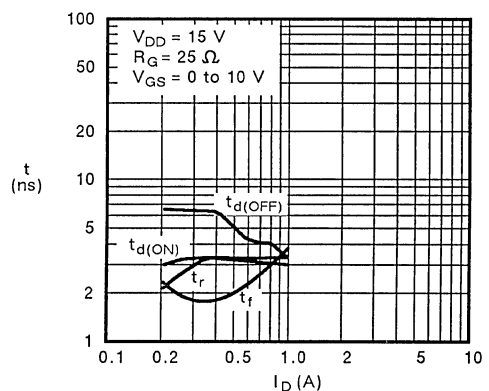
Off State Current



Drive Resistance Effects on Switching



Load Condition Effects on Switching



TYPICAL CHARACTERISTICS

