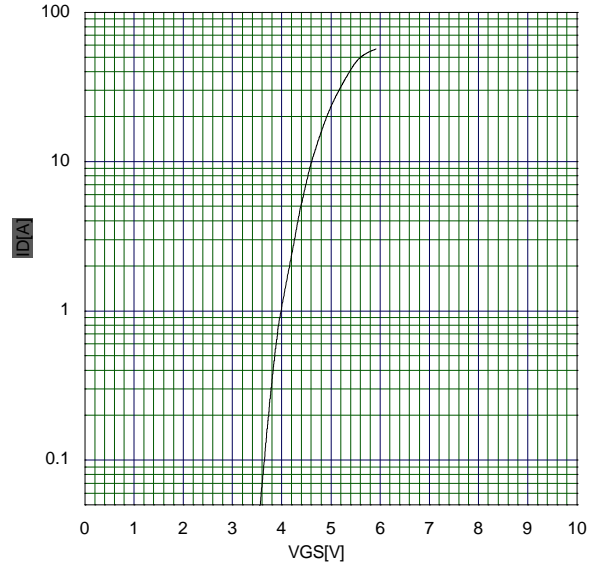
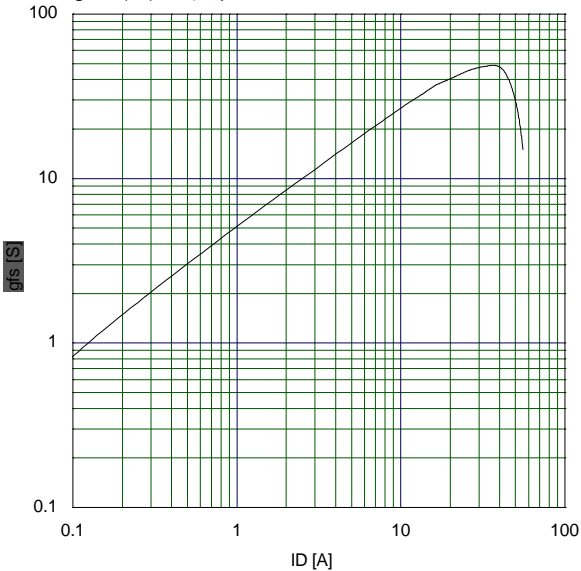


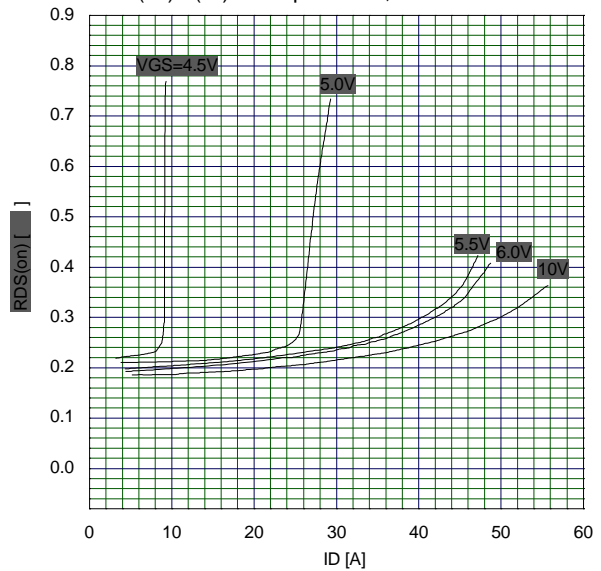
Typical Transfer Characteristic
 $I_D=f(V_{GS}):80 \mu s$ pulse test, $V_{DS}=25V$, $T_{ch}=25^\circ C$



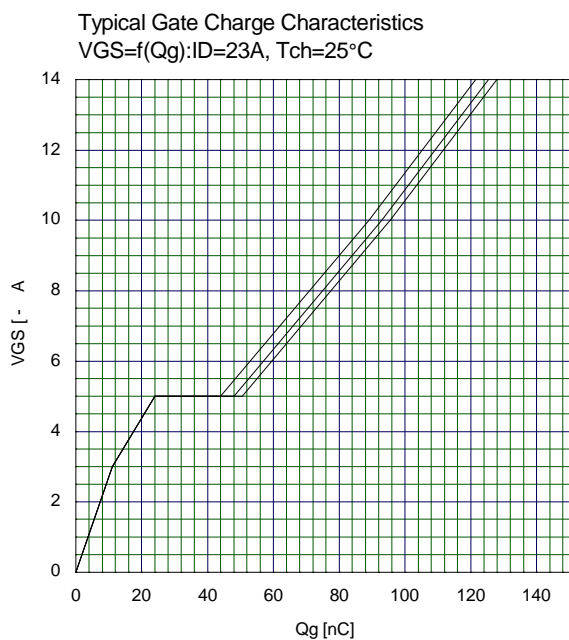
Typical Transconductance
 $g_{fs}=f(I_D):80 \mu s$ pulse test, $V_{DS}=25V$, $T_{ch}=25^\circ C$



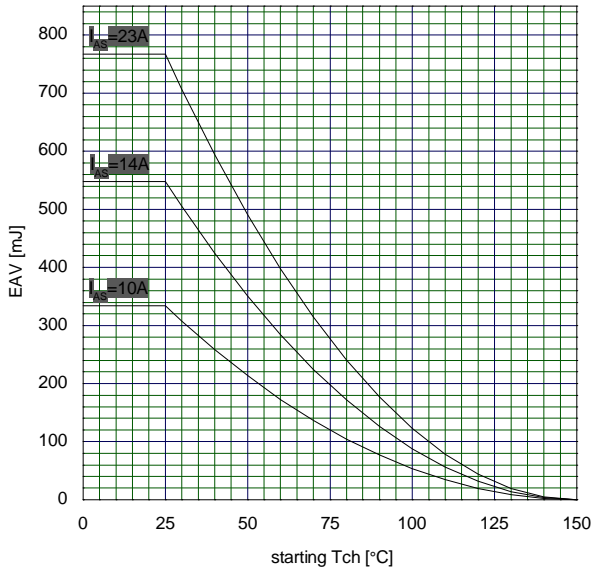
Typical Drain-Source on-state Resistance
 $R_{DS(on)}=f(I_D):80 \mu s$ pulse test, $T_{ch}=25^\circ C$



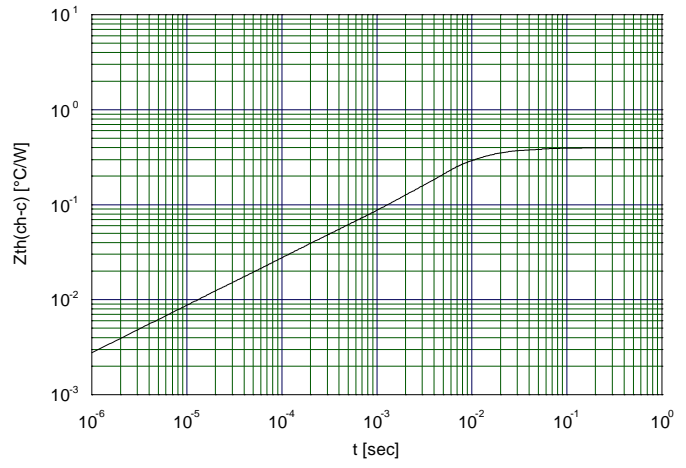
c]



Maximum Avalanche Energy vs. starting Tch
 $E(AV)=f(\text{starting Tch}):V_{CC}=50V, I(AV)\leq 23A$



Maximum Transient Thermal Impedance
 $Z_{th}(ch-c)=f(t):D=0$



WARNING

1. This Catalog contains the product specifications, characteristics, data, materials, and structures as of December 2014. The contents are subject to change without notice for specification changes or other reasons. When using a product listed in this Catalog, be sure to obtain the latest specifications.
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 - Communications equipment (terminal devices)
 - Measurement equipment
 - Machine tools
 - Audiovisual equipment
 - Electrical home appliances
 - Personal equipment
 - Industrial robots etc.
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 - Traffic-signal control equipment
 - Gas leakage detectors with an auto-shut-off feature
 - Emergency equipment for responding to disasters and anti-burglary devices
 - Safety devices
 - Medical equipment
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 - Nuclear control equipment
 - Submarine repeater equipment
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