



P-Channel and P-Channel Complementary MOSFET



Product Summary

| | |
|------------------------------------|-------|
| V_{DS} | -100V |
| I_D | -3A |
| $R_{DS(ON)}$ (at $V_{GS}=-10V$) | 110m |
| $R_{DS(ON)}$ (at $V_{GS}=-4.5V$) | 120m |

General Description

Split Gate Trench MOSFET technology
Excellent package for heat dissipation
b

Applications

Load switching
Hard switched and high frequency circuits
Uninterruptible power supply

Absolute Maximum Ratings ($T_A=25$ unless otherwise noted)

| Parameter | Symbol | Limit | Unit |
|---|----------------|------------|------|
| Drain-source Voltage | V_{DS} | -100 | V |
| Gate-source Voltage | V_{GS} | ± 20 | V |
| Drain Current $T_A=25$ T_A | I_D | -3 | A |
| Pulsed Drain Current ^A | I_{DM} | -25 | A |
| Total Power Dissipation ^C $T_A=25$ $T_A=100$ | P_D | 1.3 0.5 | W |
| Junction and Storage Temperature Range | T_J, T_{STG} | -55 +150 | |

| | | | | | |
|--|--|-----|-----|------|----|
| | | > 5 | +) | - \$ | /W |
|--|--|-----|-----|------|----|

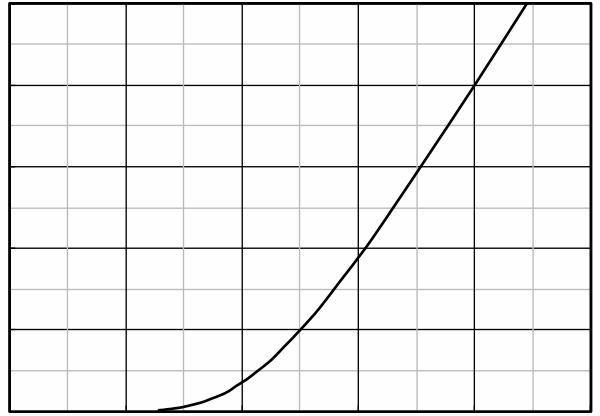
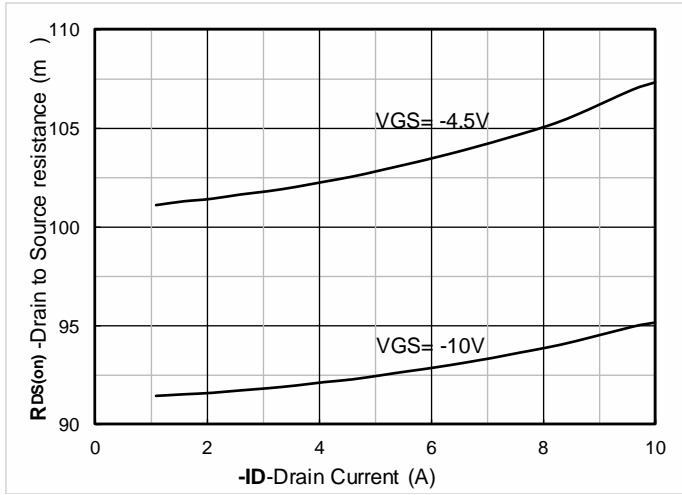
Ordering Information (Example)

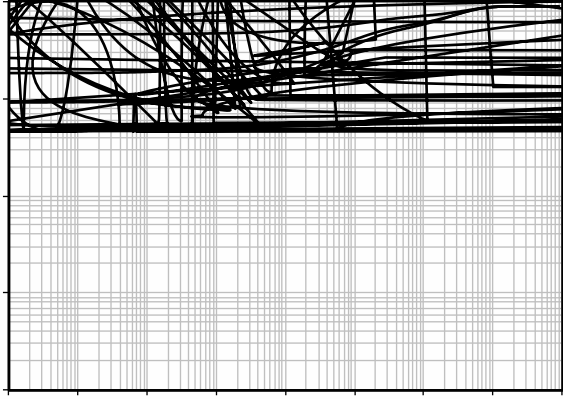
| PREFERRED P/N | PACKING CODE | Marking | MINIMUM PACKAGE(pcs) | INNER BOX QUANTITY(pcs) | OUTER CARTON QUANTITY(pcs) | DELIVERY MODE |
|---------------|--------------|-----------|----------------------|-------------------------|----------------------------|---------------|
| YJSD03GP10A | F2 | QD03GP10A | 4000 | 8000 | 64000 | 13" reel |

YJSD03GP10A



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