**Mosfet**

IPAN70R450P7S

|  |  |
| --- | --- |
| **Parameter** | **Value - Description** |
| VDS , Breakdown voltage | 700V |
| ID, Continuous current | 10A at TC =20 oC |
| ID,pulse Pulsed Drain current | 25.9 A |
| RDS,ON | 450mΩ |
| Qg | 13.1nC |
| Price | $1.05 |

**Diode**

MBR40250G

|  |  |
| --- | --- |
| **Parameter** | **Value - Description** |
| VR , Blocking voltage | 250V |
| IRMS, Continuous current | 40A |
| IFRM, Peak Repetitive Forward Current | 80A |
| VF | 0.86V |
| Price | $1.82000 |

**Output capacitance**

RNL1C681MDS1

|  |  |
| --- | --- |
| **Parameter** | **Value - Description** |
| C, Capacitance | 680uF |
| VC,MAX Rating | 25V |
| IC,ripple | 7A |
| ESR | 8mΩ |
| Price | 1.50$ - (QTY:1) |