

P 40V Trench MOSFET for Load Switch Application

Product Introduction

Load switch is a switching device used to control the load in the circuit, which is used to protect the circuit from damage caused by excessive current and power at the switching moment. In recent years, with the increasing demand for infrastructure hardware data center server and the strong demand for AI servers in artificial intelligence, Load switch has a wider market space, as an essential hardware component of servers and personal computers. Yangjie Technology recently launched the P40V MOSFETs with SOT-23, DFN5X6, TO-252 and other multi-package series, which can meet the needs of different power. The new products have strong SOA capability and high reliability.



Product Features

- 1、SOT-23, DFN5X6, TO-252 and other packages.
- 2、Strong SOA capability and high reliability.

Electrical Parameters

P/N	N/P	V _{ds} (V)	I _D (A)	V _{th} (V) typ.	R _{ds10V} (mohm) typ.	R _{ds10V} (mohm) max.	Q _{g10V} (nC) typ.	T _j (°C)	Package
YJL03P04A	P	-40	-3	-1.5	61	80	8.5	-55-150	SOT-23
YJG20P04A	P	-40	-20	-1.6	23	30	17	-55-150	PDFN5060-8L
YJD30P04A	P	-40	-30	-1.6	23	30	17	-55-150	TO-252
YJG60P04A	P	-40	-60	-1.7	5.5	7.5	99	-55-150	PDFN5060-8L

Please Refer to The Official Website for More Details

Application



PC



Server/AI Server



Industrial MOBO