

# PV-Module

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## Power MOSFETS

- Controller ICs
- LDOs
- IrDA and IR Receiver Modules
- Load and Smart Switches
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- Transient/Overvoltage Protection Devices
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- Resistors
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- Inductors/EMI Filters
- Secondary Protection Fuses

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## Application Overview

A tablet PC is a tablet-sized computer that also has the key features of a full-size personal computer. Tablets are much thinner, lighter, more power efficient than a conventional notebook computer and are equipped with a rotatable touchscreen as an additional input device, and running a standard PC operating system like iOS, Windows or Android. The user interface is usually missing a conventional keyboard and is using the display as a multifunction input and output interface. Hardware Architecture is similar to Notebook's with the exception that it handles much lesser power and has most of the time a high and size restriction. Efficiency of the components ...

## PV-Module : Concentrators, Bypass Diode

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### Bypass Diode

Product Name	Status	Description	Features	Package	Q-Level
VBT6045CBP	NEW	Solar Cell Protection - TMBS Ultra Low VF = 0.33 V at IF = 10 A	Tj = 150 C; VR = 45 V; Tj=200 C; IF = 2*30 A;	SMD TO-263AB D2PAK	

## PV-Module : Crystalline, Junction Box

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### Bypass Diode

Product Name	Status	Description	Features	Package	Q-Level
VSB1545	NEW	Cell Protection - Trench-Schottky Ultra Low VF = 0.33 V at IF = 5.0 A Vf at If=15A --> 0.44V	Tj = 150 C; VR = 45 V; Tj=200 C; IF = 15 A; VF = 0.33 V;	TH / Axial P600 leaded	

## PV-Module : Crystalline, Module Integration

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### Bypass Diode

Product Name	Status	Description	Features	Package	Q-Level
SS15P3S		Cell Protection - Schottky Low VF = 0.32 V at IF = 7.5 Vf at If=15A --> 0.42V	Tj = 150 C; VR = 45 V; Tj=200 C; IF = 15 A; VF = 0.42 V;	SMD TO-277A SMPC	

## PV-Module : Thin Film, Junction Box

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### Blocking Diode

Product Name	Status	Description	Features	Package	Q-Level
P600M		General Purpose Plastic Rectifier Low leakage current High forward current capability	Tjmax=150°C Vrrm=1000V	TH / Axial P600	

## PV-Module : Thin Film, Module Integration

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### Bypass Diode

Product Name	Status	Description	Features	Package	Q-Level
SS5P3		Cell Protection - Schottky Rectifier Low forward voltage drop	$V_f@5A=0.403V$	SMD eSMP TO-277A	AEC-Q

