



### **VB125ASP-E Information**



For Reference Only

Part Number VB125ASP-E
Manufacturer STMicroelectronics
Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

**Description**IC COIL DRIVER PAR 10POWERSO**Package**PowerSO-10 Exposed Bottom Pad

For the pricing/inventory/lead time, please contact

us

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## **VB125ASP-E Specifications**

Manufacturer         VB125ASP-E           Manufacturer         STMicroelectronics           Category         Integrated Circuits (ICs)           PMIC - Power Distribution Switches, Load Drivers           Package         PowerSO-10 Exposed Bottom Pad           Series         VIPower?           Switch Type         General Purpose           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         Low Side           Output Type         Bipolar           Interface         Parallel           Voltage - Load         6 V ~ 24 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         11.1A           Rds On (Typ)         -           Input Type         Non-Inverting           Features         Status Flag           Fault Protection         Over Temperature           Operating Temperature         -40°C ~ 150°C (TJ)           Package / Case         PowerSO-10 Exposed Bottom Pad           Supplier Device Package         10-PowerSO		
Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers  Package PowerSO-10 Exposed Bottom Pad  Series VIPower?  Switch Type General Purpose  Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration Low Side  Output Type Bipolar  Interface Parallel  Voltage - Load 6 V ~ 24 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 11.1A  Rds On (Typ) -  Input Type Non-Inverting  Features Status Flag  Fault Protection Over Temperature  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case PowerSO 10 Exposed Bottom Pad  Status Flag  Supplier Device Package 10-PowerSO	Manufacturer Part Number	VB125ASP-E
Package PowerSO-10 Exposed Bottom Pad  Series VIPower?  Switch Type General Purpose  Number of Outputs 1:1  Output Configuration Low Side  Output Type Bipolar  Interface Parallel  Voltage - Load 6 V ~ 24 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 1:1A  Rds On (Typ) -  Input Type Non-Inverting  Features Status Flag  Fault Protection Over Temperature  Operating Temperature - 40°C ~ 150°C (TJ)  Package / Case PowerSO-10 Exposed Bottom Pad  Supplier Device Package   OverSO-10 Exposed Bottom Pad  Status Flag  10-PowerSO-10 Exposed Bottom Pad	Manufacturer	STMicroelectronics
PackagePowerSO-10 Exposed Bottom PadSeriesVIPower?Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeBipolarInterfaceParallelVoltage - Load6 V ~ 24 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)11.1ARds On (Typ)-Input TypeNon-InvertingFeaturesStatus FlagFault ProtectionOver TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / CasePowerSO-10 Exposed Bottom PadSupplier Device Package10-PowerSO	Category	Integrated Circuits (ICs)
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Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeBipolarInterfaceParallelVoltage - Load6 V ~ 24 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)11.1ARds On (Typ)-Input TypeNon-InvertingFeaturesStatus FlagFault ProtectionOver TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / CasePowerSO-10 Exposed Bottom PadSupplier Device Package10-PowerSO	Package	PowerSO-10 Exposed Bottom Pad
Number of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeBipolarInterfaceParallelVoltage - Load6 V ~ 24 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)11.1ARds On (Typ)-Input TypeNon-InvertingFeaturesStatus FlagFault ProtectionOver TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / CasePowerSO-10 Exposed Bottom PadSupplier Device Package10-PowerSO	Series	VIPower?
Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeBipolarInterfaceParallelVoltage - Load6 V ~ 24 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)11.1ARds On (Typ)-Input TypeNon-InvertingFeaturesStatus FlagFault ProtectionOver TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / CasePowerSO-10 Exposed Bottom PadSupplier Device Package10-PowerSO	Switch Type	General Purpose
Output ConfigurationLow SideOutput TypeBipolarInterfaceParallelVoltage - Load6 V ~ 24 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)11.1ARds On (Typ)-Input TypeNon-InvertingFeaturesStatus FlagFault ProtectionOver TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / CasePowerSO-10 Exposed Bottom PadSupplier Device Package10-PowerSO	Number of Outputs	1
Output TypeBipolarInterfaceParallelVoltage - Load6 V ~ 24 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)11.1ARds On (Typ)-Input TypeNon-InvertingFeaturesStatus FlagFault ProtectionOver TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / CasePowerSO-10 Exposed Bottom PadSupplier Device Package10-PowerSO	Ratio - Input:Output	1:1
Interface Parallel  Voltage - Load 6 V ~ 24 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 11.1A  Rds On (Typ) -  Input Type Non-Inverting  Features Status Flag  Fault Protection Over Temperature  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case PowerSO-10 Exposed Bottom Pad  Supplier Device Package 10-PowerSO	Output Configuration	Low Side
Voltage - Load  6 V ~ 24 V  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  11.1A  Rds On (Typ)  - Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Operating Temperature  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  PowerSO-10 Exposed Bottom Pad  Supplier Device Package	Output Type	Bipolar
Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  11.1A  Rds On (Typ)  - Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Over Temperature  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  PowerSO-10 Exposed Bottom Pad  Supplier Device Package	Interface	Parallel
Current - Output (Max)  Rds On (Typ)  - Input Type  Non-Inverting  Features  Status Flag  Fault Protection  Operating Temperature  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  PowerSO-10 Exposed Bottom Pad  Supplier Device Package	Voltage - Load	6 V ~ 24 V
Rds On (Typ) Input Type Non-Inverting Features Status Flag Fault Protection Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case PowerSO-10 Exposed Bottom Pad Supplier Device Package 10-PowerSO	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type Non-Inverting Features Status Flag  Fault Protection Over Temperature Operating Temperature -40°C ~ 150°C (TJ)  Package / Case PowerSO-10 Exposed Bottom Pad  Supplier Device Package 10-PowerSO	Current - Output (Max)	11.1A
Features Status Flag  Fault Protection Over Temperature  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case PowerSO-10 Exposed Bottom Pad  Supplier Device Package 10-PowerSO	Rds On (Typ)	-
Fault Protection Over Temperature  -40°C ~ 150°C (TJ)  Package / Case PowerSO-10 Exposed Bottom Pad  Supplier Device Package  10-PowerSO	Input Type	Non-Inverting
Operating Temperature -40°C ~ 150°C (TJ)  Package / Case PowerSO-10 Exposed Bottom Pad  Supplier Device Package 10-PowerSO	Features	Status Flag
Package / Case PowerSO-10 Exposed Bottom Pad Supplier Device Package 10-PowerSO	Fault Protection	Over Temperature
Supplier Device Package 10-PowerSO	Operating Temperature	-40°C ~ 150°C (TJ)
	Package / Case	PowerSO-10 Exposed Bottom Pad
Report errors?	Supplier Device Package	10-PowerSO
		Report errors?

### **VB125ASP-E Guarantees**



### **Quality Guarantees**

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