

BTS441RGATMA1

BTS441RGATMA1 Information



For Reference Only

Part Number BTS441RGATMA1

Manufacturer Infineon Technologies

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

DescriptionIC HIGH SIDE PWR SWITCH D2PAK-5**Package**TO-263-5, D2Pak (4 Leads + Tab), TO-263BB

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

Certified Quality

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









BTS441RGATMA1 Specifications

Manufacturer Part Number BTS441RGATMA1 Manufacturer Infineon Technologies Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers Package TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Series PROFET® Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 4.75 V ~ 43 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 17A Rds On (Typ) 15 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2		
Category Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers Package TO-263-5, DPPak (4 Leads + Tab), TO-263BB Series PROFET® Switch Type General Purpose Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 4.75 V ~ 43 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 17A Rds On (Typ) 15 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, DPak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Manufacturer Part Number	BTS441RGATMA1
Package TO-263-5, D*Pak (4 Leads + Tab), TO-263BB Series PROFET® Switch Type General Purpose Number of Outputs 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 4.75 V ~ 43 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 17A Rds On (Typ) 15 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature 4.0°C ~ 150°C (TJ) Package / Case TO-263-5, D*Pak (4 Leads + Tab), TO-263BB Supplier Device Package	Manufacturer	Infineon Technologies
PackageTO-263-5, D²Pak (4 Leads + Tab), TO-263BBSeriesPROFET®Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load4.75 V ~ 43 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)17ARds On (Typ)15 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-263-5, D²Pak (4 Leads + Tab), TO-263BBSupplier Device PackagePG-TO263-5-2	Category	Integrated Circuits (ICs)
SeriesPROFET®Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load4.75 V ~ 43 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)17ARds On (Typ)15 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-263-5, D²Pak (4 Leads + Tab), TO-263BBSupplier Device PackagePG-TO263-5-2		PMIC - Power Distribution Switches, Load Drivers
Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load4.75 V ~ 43 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)17ARds On (Typ)15 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-263-5, D²Pak (4 Leads + Tab), TO-263BBSupplier Device PackagePG-TO263-5-2	Package	TO-263-5, D ² Pak (4 Leads + Tab), TO-263BB
Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 4.75 V ~ 43 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 17A Rds On (Typ) 15 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package	Series	PROFET®
Ratio - Input:Output1:1Output ConfigurationHigh SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load4.75 V ~ 43 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)17ARds On (Typ)15 mOhmInput TypeNon-InvertingFeaturesStatus FlagFault ProtectionCurrent Limiting (Fixed), Open Load Detect, Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-263-5, D²Pak (4 Leads + Tab), TO-263BBSupplier Device PackagePG-TO263-5-2	Switch Type	General Purpose
Output Configuration High Side Output Type N-Channel Interface On/Off Voltage - Load 4.75 V ~ 43 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) Input Type Non-Inverting Features Status Flag Fault Protection Operating Temperature -40°C ~ 150°C (TJ) Package / Case Supplier Device Package PG-TO263-5-2	Number of Outputs	1
Output Type N-Channel Interface On/Off Voltage - Load 4.75 V ~ 43 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 17A Rds On (Typ) 15 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Ratio - Input:Output	1:1
Interface On/Off Voltage - Load 4.75 V ~ 43 V Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 17A Rds On (Typ) 15 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Output Configuration	High Side
Voltage - Load Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) I7A Rds On (Typ) I5 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd) Current - Output (Max) Rds On (Typ) 15 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Interface	On/Off
Current - Output (Max) Rds On (Typ) 15 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Voltage - Load	4.75 V ~ 43 V
Rds On (Typ) 15 mOhm Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type Non-Inverting Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Current - Output (Max)	17A
Features Status Flag Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Rds On (Typ)	15 mOhm
Fault Protection Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ) Package / Case TO-263-5, D2Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Input Type	Non-Inverting
Operating Temperature -40°C ~ 150°C (TJ) Package / Case TO-263-5, D²Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Features	Status Flag
Package / Case TO-263-5, D ² Pak (4 Leads + Tab), TO-263BB Supplier Device Package PG-TO263-5-2	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Supplier Device Package PG-TO263-5-2	Operating Temperature	-40°C ~ 150°C (TJ)
	Package / Case	TO-263-5, D ² Pak (4 Leads + Tab), TO-263BB
Report errors	Supplier Device Package	PG-TO263-5-2
Tepott offolio		Report errors?

BTS441RGATMA1 Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

BTS441RGATMA1 Payment Methods



















BTS441RGATMA1 Shipping Methods













If you have any question about BTS441RGATMA1, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com