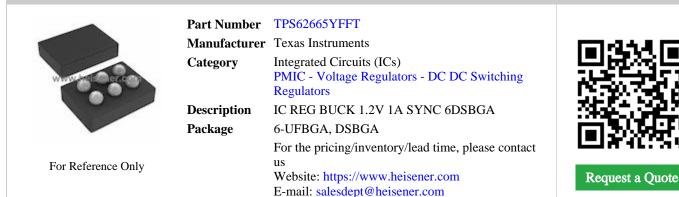


## TPS62665YFFT

#### **TPS62665YFFT Information**



#### **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.



#### **TPS62665YFFT Specifications**

ManufacturerTexas InstrumentsCategoryIntegrated Circuits (ICs)PackagePMIC - Voltage Regulators - DC DC Switching RegulatorsPackage6-UFBGA, DSBGASeries-FunctionStep-DownOutput ConfigurationStep-DownPoologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.3VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - OutputIAFrequency - SwitchingMHZSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Package / Case6-UFBGA, DSBGA		
AntimitedInterfactionCategoryIntegrated Circuits (ICs)Package6-UFBGA, DSBGASeries-FunctionStep-DownOutput ConfigurationStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedVoltage - Input (Min)2.3VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - OutputAFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Package / Case6-USBGASupplier Device Package6-DSBGA	Manufacturer Part Number	TPS62665YFFT
PMIC - Voltage Regulators - DC DC Switching RegulatorsPackage6-UFBGA, DSBGASeries-FunctionStep-DownOutput ConfigurationPositiveBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.3VSoltage - Output (Min/Fixed)1.2VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Min/Fixed)1.2VSynchronous Rectifier6MHzSynchronous RectifierYesOperating Temperature4.0°C ~ 85°C (TA)Mounting Type6-UFBGA, DSBGASupplier Device Package6-DSBGA	Manufacturer	Texas Instruments
Package6-UFBGA, DSBGASeries-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.3VVoltage - Input (Min/Fixed)1.2VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - OutputIAFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGA	Category	Integrated Circuits (ICs)
Series-FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.3VVoltage - Input (Min/Fixed)5.5VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - Output1AFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Package / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA		PMIC - Voltage Regulators - DC DC Switching Regulators
FunctionStep-DownOutput ConfigurationPositiveTopologyBuckOutput TypeFixedOutput Type1Number of Outputs1Voltage - Input (Min)2.3VVoltage - Output (Min/Fixed)5.5VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - Output1AFrequency - Switching6MHzSynchronous Rectifier40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGA	Package	6-UFBGA, DSBGA
Output ConfigurationPositiveTopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.3VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - Output1AFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGA	Series	-
TopologyBuckOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.3VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - Output1AFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Function	Step-Down
Output TypeFixedOutput TypeFixedNumber of Outputs1Voltage - Input (Min)2.3VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - Output1AFrequency - Switching6MHzSynchronous Rectifier-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Output Configuration	Positive
Number of Outputs1Number of Outputs1Voltage - Input (Min)2.3VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - Output1AFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Topology	Buck
Voltage - Input (Min)2.3VVoltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - Output1AFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGA	Output Type	Fixed
Voltage - Input (Max)5.5VVoltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - Output1AFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Number of Outputs	1
Voltage - Output (Min/Fixed)1.2VVoltage - Output (Max)-Current - Output1AFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Voltage - Input (Min)	2.3V
Voltage - Output (Max)-Current - Output1AFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Voltage - Input (Max)	5.5V
Current - Output1AFrequency - Switching6MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Voltage - Output (Min/Fixed)	1.2V
Frequency - Switching6MHzSynchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Voltage - Output (Max)	-
Synchronous RectifierYesOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Current - Output	1A
Operating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Frequency - Switching	6MHz
Mounting TypeSurface MountPackage / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Synchronous Rectifier	Yes
Package / Case6-UFBGA, DSBGASupplier Device Package6-DSBGA	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package 6-DSBGA	Mounting Type	Surface Mount
	Package / Case	6-UFBGA, DSBGA
Report errors?	Supplier Device Package	6-DSBGA
		Report errors?

#### **TPS62665YFFT 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 UARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

### **TPS62665YFFT Payment Methods**





If you have any question about TPS62665YFFT, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com