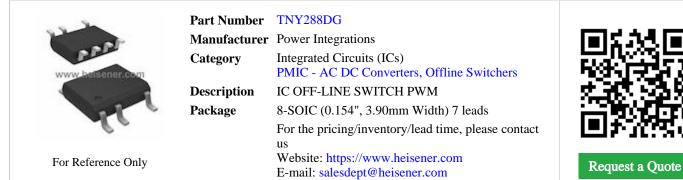


TNY288DG

TNY288DG 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.



TNY288DG Specifications

Manufacturer Part Number TNY288DG Manufacturer Power Integrations Category Integrated Circuits (ICs) PMIC - AC DC Converters, Offline Switchers PMIC - AC DC Converters, Offline Switchers Package 8-SOIC (0.154", 3.90mm Width) 7 leads Series TinySwitch?-4 Output Isolation Isolated Internal Switch(s) Yes Yoltage - Breakdown 725V Yoltage - Supply (Vcc/Vdd) - Yoltage - Suphy - <td< th=""><th></th><th></th></td<>		
CategoryIntegrated Circuits (ICs)Package8-SOIC (0.154", 3.90mm Width) 7 leadsSeriesTinySwitch?-4Output IsolationIsolatedInternal Switch(s)YesVoltage - Breakdown725VTopologyFlybackVoltage - Start Up-Voltage - Supply (Vcc/Vdd)-Frequency - Switching124kHz ~ 140kHzPower (Watts)Lurent Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitControl FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOI (0.154", 3.90mm Width) 7 leadsSupplier Device PackageSurface Mount	Manufacturer Part Number	TNY288DG
PMIC - AC DC Converters, Offline SwitchersPackage8-SOIC (0.154", 3.90mm Width) 7 leadsSeriesTinySwitch?-4Output IsolationIsolatedInternal Switch(s)YesVoltage - Breakdown725VTopologyFlybackVoltage - Start Up-Voltage - Supply (Vcc/Vdd)-Duty Cycle67%Frequency - Switching124kHz ~ 140kHzPower (Watts)14.5WFault ProtectionCurrent Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitControl FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device Package8-SOMounting TypeSurface Mount	Manufacturer	Power Integrations
Package8-SOIC (0.154", 3.90mm Width) 7 leadsSeriesTinySwitch?-3.90mm Width) 7 leadsOutput IsolationIsolatedInternal Switch(s)YesVoltage Breakdown725VTopologyFlybackVoltage - Start Up-Voltage - Start Up-Voltage - Supply (Vcc/Vdd)-Prequency - Switching14kHz ~ 140kHzPrequency - Switching14.5WPower (Watts)-Pourent Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitOperating Temperature-Power (Case8-SOIC (CTJ)Package / Case8-SOIC 0.154", 3.90mm Width) 7 leadsSupplier Device PackageSufface Mount	Category	Integrated Circuits (ICs)
SeriesTinySwitch?-4Output IsolationIsolatedInternal Switch(s)YesVoltage Breakdown725VTopologyFlybackVoltage - Start Up-Voltage - Supply (Vcc/Vdd)-Output Yocle67%Frequency - Switching124kHz ~ 140kHzPower (Watts)Liwing Open Loop, Over Temperature, Over Voltage, Short CircuitControl FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device PackageSurface Mount		PMIC - AC DC Converters, Offline Switchers
Output IsolationIsolatedInternal Switch(s)YesVoltage - Breakdown725VTopologyFlybackVoltage - Start Up-Voltage - Supply (Vcc/Vdd)-Output Cycle67%Frequency - Switching124kHz ~ 140kHzPower (Wats)Current Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitPortor IF FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsMounting TypeSurface Mount	Package	8-SOIC (0.154", 3.90mm Width) 7 leads
Internal Switch(s)YesHoternal Switch(s)725VYoltage - Breakdown725VTopologyFlybackYoltage - Start Up-Voltage - Supply (Vcc/Vdd)-Poty Cycle6%Frequency - Switching124kHz ~ 140kHzPower (Wats)Current Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitPotrol FeaturesENOperating Temperature40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device PackageSurface Mount	Series	TinySwitch?-4
Voltage - Breakdown725VTopologyFlybackVoltage - Start Up-Voltage - Supply (Vcc/Vdd)-Duty Cycle67%Frequency - Switching124kHz ~ 140kHzPower (Watts)14.5WFault ProtectionCurrent Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device PackageSurface Mount	Output Isolation	Isolated
Topology Flyback Yoltage - Start Up - Voltage - Supply (Vcc/Vd0) - Duty Cycle 67% Frequency - Switching 124kHz ~ 140kHz Power (Watts) 14.5W Fault Protection Current Limiting, Open Loop, Over Temperature, Over Voltage, Short Circuit Control Features EN Operating Temperature -40°C ~ 150°C (TJ) Package / Case 8-SOIC (0.154", 3.90mm Width) 7 leads Supplier Device Package Surface Mount	Internal Switch(s)	Yes
Voltage - Start Up-Voltage - Supply (Vcc/Vdd)-Duty Cycle67%Frequency - Switching124kHz ~ 140kHzPower (Watts)14.5WFault ProtectionCurrent Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitControl FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device Package8-SOMounting TypeSurface Mount	Voltage - Breakdown	725V
Voltage - Supply (Vcc/Vdd)-Duty Cycle67%Frequency - Switching124kHz ~ 140kHzPower (Watts)14.5WFault ProtectionCurrent Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitControl FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device Package8-SOMounting TypeSurface Mount	Topology	Flyback
Duty Cycle67%Frequency - Switching124kHz ~ 140kHzPower (Watts)14.5WFault ProtectionCurrent Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitControl FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device Package8-SOMounting TypeSurface Mount	Voltage - Start Up	-
Frequency - Switching124kHz ~ 140kHzPower (Watts)14.5WFault ProtectionCurrent Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitControl FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device Package8-SOMounting TypeSurface Mount	Voltage - Supply (Vcc/Vdd)	-
Power (Watts)14.5WFault ProtectionCurrent Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitControl FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device Package8-SOMounting TypeSurface Mount	Duty Cycle	67%
Fault ProtectionCurrent Limiting, Open Loop, Over Temperature, Over Voltage, Short CircuitControl FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device Package8-SOMounting TypeSurface Mount	Frequency - Switching	124kHz ~ 140kHz
Control FeaturesENOperating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device Package8-SOMounting TypeSurface Mount	Power (Watts)	14.5W
Operating Temperature-40°C ~ 150°C (TJ)Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device Package8-SOMounting TypeSurface Mount	Fault Protection	Current Limiting, Open Loop, Over Temperature, Over Voltage, Short Circuit
Package / Case8-SOIC (0.154", 3.90mm Width) 7 leadsSupplier Device Package8-SOMounting TypeSurface Mount	Control Features	EN
Supplier Device Package8-SOMounting TypeSurface Mount	Operating Temperature	$-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$
Mounting Type Surface Mount	Package / Case	8-SOIC (0.154", 3.90mm Width) 7 leads
	Supplier Device Package	8-SO
Report errors?	Mounting Type	Surface Mount
		Report errors?

TNY288DG 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 BUARANTEE

Service Guarantees

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



If you have any question about TNY288DG, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com