



Image may be representation.  
See specifications for product details.



## STD901T

Manufacturer Part Number	<b>STD901T</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STD901T
ECAD Model	PCB Footprint and Symbol
Parts Description	TRANS NPN DARL 350V 4A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	<b>ST(D)901T.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

STD901T - STMicroelectronics.New Original in Stock. Download Linear Technology STD901T datasheet/specifications on AllelcoElec.com.  
Request a quote for STD901T, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

STD901T Tech Specifications  
STD901T - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Voltage - Collector Emitter Breakdown (Max)	350 V	Operating Temperature	150°C (TJ)
Vce Saturation (Max) @ Ib, Ic	2V @ 20mA, 2A	Mounting Type	Surface Mount
Transistor Type	NPN - Darlington	Frequency - Transition	-
Supplier Device Package	DPAK	DC Current Gain (hFE) (Min) @ Ic, Vce	1800 @ 2A, 2V
Series	-	Current - Collector Cutoff (Max)	100µA
Power - Max	35 W	Current - Collector (Ic) (Max)	4 A
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Base Product Number	STD901

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD901T

Product Attribute				
Part Number	STD901T	STD8NF25K	STD8NM60ND	STD90N02L MOS
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	-	-	FDmesh™ II	-
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	-	TO-252-3, DPak (2 Leads + Tab), SC-63	-
Current - Collector Cutoff (Max)	100µA	-	-	-
Base Product Number	STD901	-	STD8N	-
Frequency - Transition	-	-	-	-
DC Current Gain (hFE) (Min) @ Ic, Vce	1800 @ 2A, 2V	-	-	-
Vce Saturation (Max) @ Ib, Ic	2V @ 20mA, 2A	-	-	-
Supplier Device Package	DPAK	-	DPAK	-
Transistor Type	NPN - Darlington	-	-	-
Package	Tape & Reel (TR)	-	Tape & Reel (TR)	-
Power - Max	35 W	-	-	-
Mounting Type	Surface Mount	-	Surface Mount	-
Current - Collector (Ic) (Max)	4 A	-	-	-
Operating Temperature	150°C (TJ)	-	150°C (TJ)	-
Voltage - Collector Emitter Breakdown (Max)	350 V	-	-	-

## STD901T Datasheet PDF

Download STD901T pdf datasheets and STMicroelectronics documentation for STD901T - STMicroelectronics.

### Datasheets

[ST\(D\)901T.pdf](#)

### PCN Packaging

[Mult Dev Inner Box Chg 9/Dec/2021.pdf](#)

### PCN Assembly/Origin

[Assembly Site 22/Dec/2022.pdf](#)

## Customers Also Interested in

### Recommended Products



**STD8NF25K**  
STMicroelectronics



**STD90N02L MOS**  
STMicroelectronics

**STD8NM60ND MOS**  
STMicroelectronics

**STD8NS25**  
STMicroelectronics

**STD8NF25**  
STMicroelectronics  
MOSFET N-CH 250V 8A DPAK

**STD8NM60ND**  
STMicroelectronics  
MOSFET N-CH 600V 7A DPAK



**STD90N4F3**  
STMicroelectronics  
MOSFET N-CH 40V 80A DPAK

**STD90N03L**  
STMicroelectronics  
MOSFET N-CH 30V 80A DPAK

**STD90N03L-1**  
STMicroelectronics  
MOSFET N-CH 30V 80A IPAK

**STD90N03L MOS**  
STMicroelectronics

**STD8NF25K MOS**  
STMicroelectronics

**STD8NM60N**  
STMicroelectronics  
MOSFET N-CH 600V 7A DPAK



**STD90N02LT4**  
STMicroelectronics

**STD90N02L-1**  
STMicroelectronics  
MOSFET N-CH 25V 60A IPAK

**STD8N80K5 MOS**  
STMicroelectronics

**STD8N80K5**  
STMicroelectronics  
MOSFET N CH 800V 6A DPAK

**STD90N02L**  
STMicroelectronics  
MOSFET N-CH 25V 60A DPAK

**STD8NM50N**  
STMicroelectronics  
MOSFET N-CH 500V 5A DPAK

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

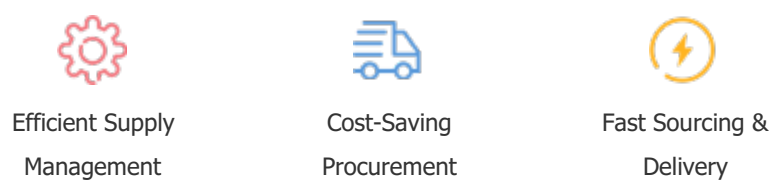
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

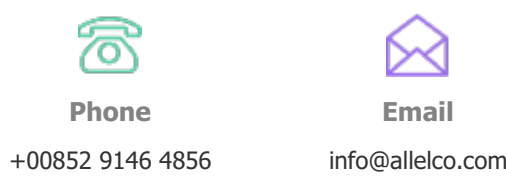
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



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