

# **BD37725STU Datasheet**

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DiGi Electronics Part Number	BD37725STU-DG
Manufacturer	onsemi
Manufacturer Product Number	BD37725STU
Description	TRANS NPN 60V 2A TO126-3
Detailed Description	Bipolar (BJT) Transistor NPN 60 V 2 A 25 W Through Hole TO-126-3

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Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

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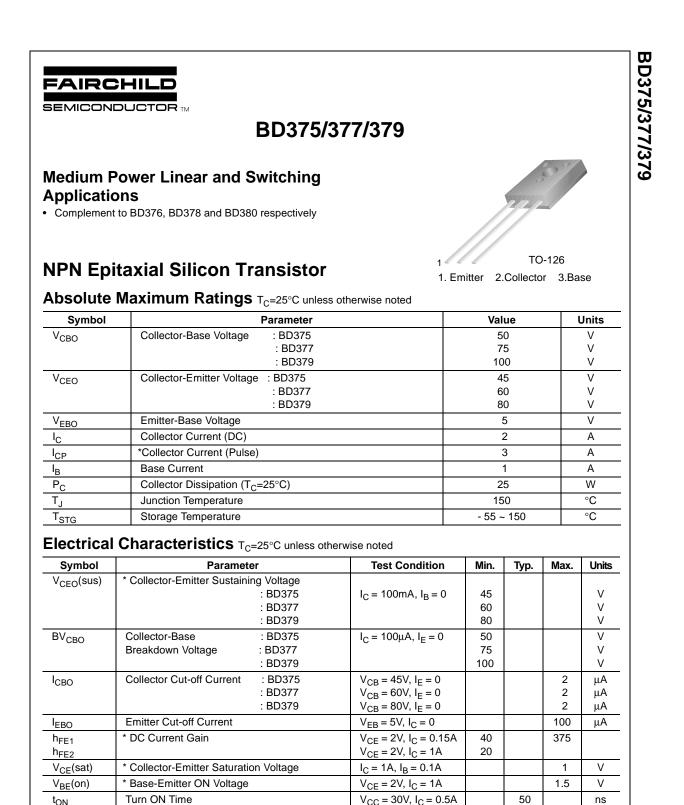


# Purchase and inquiry

Manufacturer Product Number:	Manufacturer:	
BD37725STU	onsemi	
Series:	Product Status:	
	Obsolete	
Transistor Type:	Current - Collector (Ic) (Max):	
NPN	2 A	
Voltage - Collector Emitter Breakdown (Max):	Vce Saturation (Max) @ lb, lc:	
50 V	1V @ 100mA, 1A	
Current - Collector Cutoff (Max):	DC Current Gain (hFE) (Min) @ lc, Vce:	
2μΑ (ΙСΒΟ)	150 @ 150mA, 2V	
Power - Max:	Frequency - Transition:	
25 W		
Operating Temperature:	Mounting Type:	
150°C (TJ)	Through Hole	
Package / Case:	Supplier Device Package:	
TO-225AA, TO-126-3	TO-126-3	
Base Product Number:		
BD377		

# **Environmental & Export classification**

Moisture Sensitivity Level (MSL):	REACH Status:
1 (Unlimited)	REACH Unaffected
ECCN:	HTSUS:
EAR99	8541.29.0095



\* Pulse Test: PW=350µs, duty Cycle=2% Pulsed her Classification

Turn OFF Time

TFE Classificatio	••			
Classification	6	10	16	25
h <sub>FE1</sub>	40 ~ 100	63 ~ 160	100 ~ 250	150 ~ 375

 $I_{B1} = -I_{B2} = 0.05A$ 

 $R_1 = 60\Omega$ 

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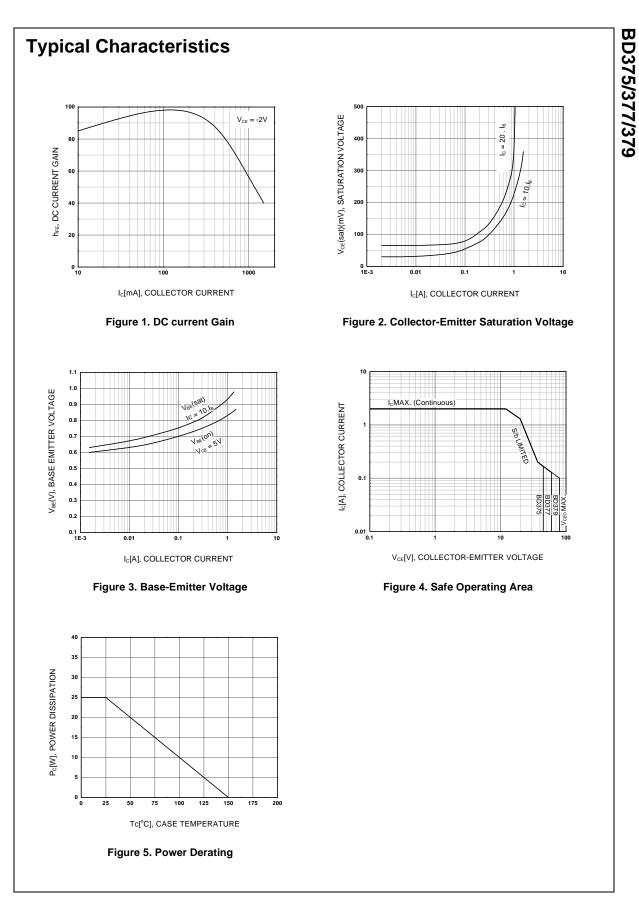
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tOFF

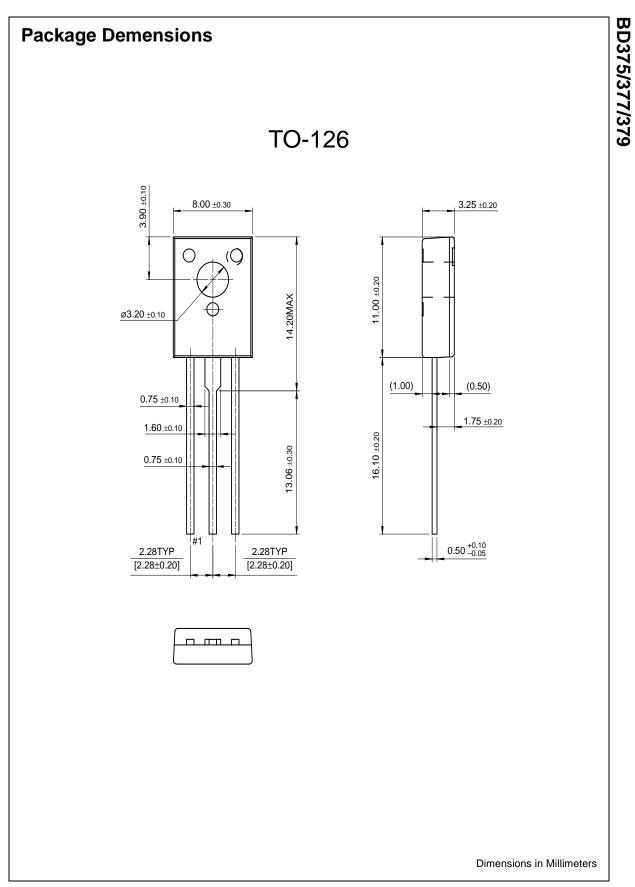
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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

## **PRODUCT STATUS DEFINITIONS**

#### **Definition of Terms**

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
Preliminary	First Production	This datasheet contains preliminary data, and supplementary data will be published at a later date. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.



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