



## DESCRIPTION

The A3355 is an NPN silicon Epitaxial Transistor. It has High frequency.

The A3355 is available in SOT-23 and TO-92 packages

## FEATURES

- Collector Current: 200mA (Max)
- High Frequency: 4.5GHz (Typ)
- Collector-Emitter Voltage: 12V
- Low noise and high gain bandwidth product
- High power gain
- Available in SOT-23 and TO-92 Packages

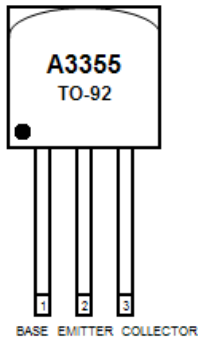
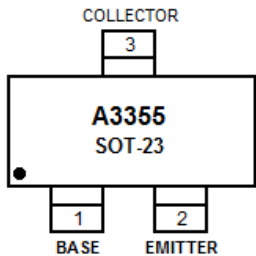
## ORDERING INFORMATION

Package Type	Part Number	
SOT-23	E3	A3355E3R
		A3355E3VR
TO-92	Z	A3355ZY
		A3355ZVY
Note	R: Tape & Reel V: Halogen free Package Y: A : Ammo Package B : Bulk Package	
AiT provides all RoHS products Suffix " V " means Halogen free Package		

## APPLICATION

- VHF
- UHF
- CATV

## PIN DESCRIPTION

 <p>Top View</p>	 <p>Top View</p>
Pin #	Function
1	Base
2	Emitter
3	Collector



## ABSOLUTE MAXIMUM RATING

T=25°C

V <sub>CBO</sub> , Collector-Base Voltage	20V	
V <sub>CEO</sub> , Collector-Emitter Voltage	12V	
V <sub>EBO</sub> , Emitter-Base Voltage	3V	
I <sub>C</sub> , Collector Current	200mA	
P <sub>C</sub> , Collector Power Dissipation	SOT-23	0.6W
	TO-92	0.2W
T <sub>J</sub> , Junction Temperature	150°C	
T <sub>STG</sub> , Storage Temperature	-65°C~ +150°C	

## ELECTRICAL CHARACTERISTICS

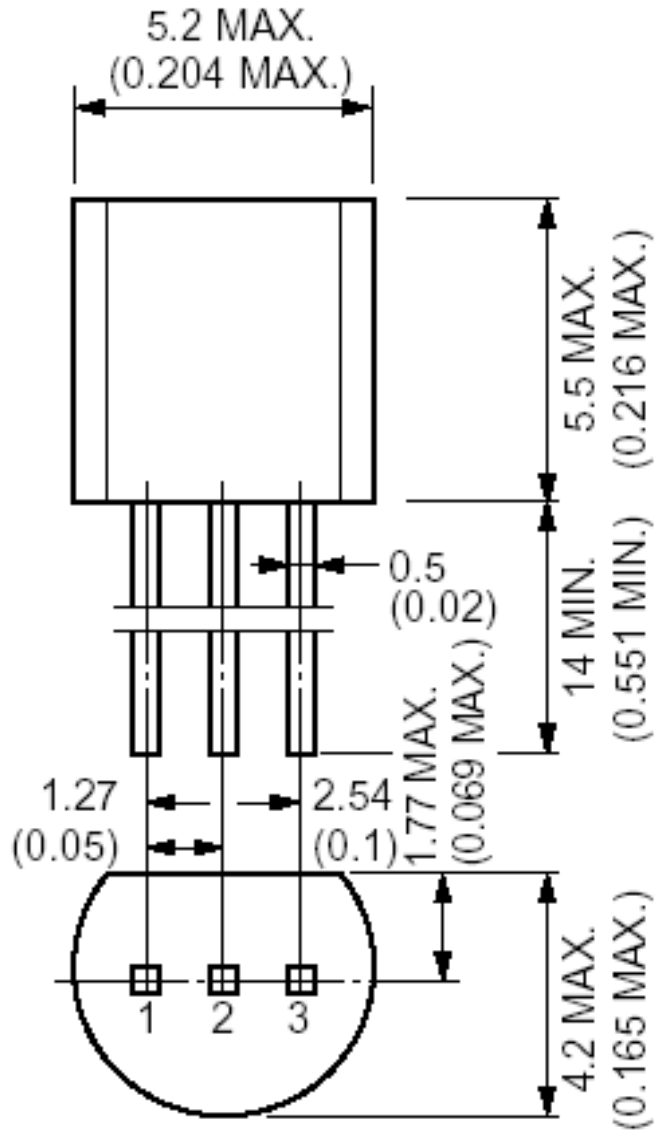
T=25°C

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage	BV <sub>CBO</sub>	I <sub>C</sub> =10uA	20			V
Collector-Emitter Breakdown Voltage	BV <sub>CEO</sub>	I <sub>C</sub> =1mA	12			V
Emitter-Base Breakdown Voltage	BV <sub>EBO</sub>	I <sub>E</sub> =10uA	3			V
Collector Cutoff Current	I <sub>CBO</sub>	V <sub>CB</sub> =10V			1	uA
Emitter Cutoff Current	I <sub>EBO</sub>	V <sub>EB</sub> =1V			1	uA
DC Current Transfer Ratio	H <sub>FE</sub>	V <sub>CE</sub> =10V, I <sub>C</sub> =20mA	90	150	220	
RF Characteristics						
Transition Frequency	F <sub>T</sub>	V <sub>CE</sub> =10V, I <sub>C</sub> =20mA		4.5		GHz





Dimension in TO-92 (Unit: mm)





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