

### MPSA05\_D75Z Information



For Reference Only

Part Number MPSA05\_D75Z

ManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - Single

**Description** TRANS NPN 60V 0.5A TO-92

Package TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

# **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.









### MPSA05\_D75Z Specifications

Manufacturer Part NumberMPSA05_D75ZManufacturerFairchild/ON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - SinglePackageTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)500mAVoltage - Collector Emitter Breakdown (Max)60VVce Saturation (Max) @ Ib, Ic250mV @ 10mA, 100mACurrent - Collector Cutoff (Max)100nADC Current Gain (hFE) (Min) @ Ic, Vce100 @ 100mA, 1VPower - Max625mWFrequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	THE STOCE SPECIAL SPEC	
Category  Discrete Semiconductor Products  Transistors - Bipolar (BJT) - Single  Package  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Series  - Transistor Type  NPN  Current - Collector (Ic) (Max)  Voltage - Collector Emitter Breakdown (Max)  Vee Saturation (Max) @ Ib, Ic  250mV @ 10mA, 100mA  Current - Collector Cutoff (Max)  DC Current Gain (hFE) (Min) @ Ic, Vce  100 @ 100mA, 1V  Power - Max  625mW  Frequency - Transition  100MHz  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package  TO-92-3	Manufacturer Part Number	MPSA05_D75Z
Transistors - Bipolar (BJT) - Single  Package TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Series - Transistor Type NPN Current - Collector (Ic) (Max) Voltage - Collector Emitter Breakdown (Max) Voe Saturation (Max) @ Ib, Ic 250mV @ 10mA, 100mA Current - Collector Cutoff (Max) 100nA DC Current Gain (hFE) (Min) @ Ic, Vce 100 @ 100mA, 1V  Power - Max 625mW Frequency - Transition 100MHz Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package	Manufacturer	Fairchild/ON Semiconductor
Package TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Series -  Transistor Type NPN  Current - Collector (Ic) (Max) 500mA  Voltage - Collector Emitter Breakdown (Max) 60V  Vce Saturation (Max) @ Ib, Ic 250mV @ 10mA, 100mA  Current - Collector Cutoff (Max) 100nA  DC Current Gain (hFE) (Min) @ Ic, Vce 100 @ 100mA, 1V  Power - Max 625mW  Frequency - Transition 100MHz  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package	Category	Discrete Semiconductor Products
Series Transistor Type NPN Current - Collector (Ic) (Max) Voltage - Collector Emitter Breakdown (Max) Vce Saturation (Max) @ Ib, Ic Current - Collector Cutoff (Max) 100nA Current - Collector Cutoff (Max) DC Current Gain (hFE) (Min) @ Ic, Vce 100 @ 100mA, 1V Power - Max 625mW Frequency - Transition 100MHz Operating Temperature -55°C ~ 150°C (TJ) Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package TO-92-3		Transistors - Bipolar (BJT) - Single
Transistor Type  Current - Collector (Ic) (Max)  Voltage - Collector Emitter Breakdown (Max)  Voe Saturation (Max) @ Ib, Ic  Current - Collector Cutoff (Max)  DC Current Gain (hFE) (Min) @ Ic, Vce  Power - Max  Frequency - Transition  Operating Temperature  Operating Type  Through Hole  Package / Case  Supplier Device Package  NPN  500mA  60V  250mV @ 10mA, 100mA  100mA  100mA  100mA  100mA, 1V  625mW  100MHz  100MHz  100MHz  Through Hole  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  TO-92-3	Package	TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)
Current - Collector (Ic) (Max)  Voltage - Collector Emitter Breakdown (Max)  60V  Vce Saturation (Max) @ Ib, Ic  250mV @ 10mA, 100mA  Current - Collector Cutoff (Max)  100nA  DC Current Gain (hFE) (Min) @ Ic, Vce  100 @ 100mA, 1V  Power - Max  625mW  Frequency - Transition  100MHz  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package	Series	-
Voltage - Collector Emitter Breakdown (Max)  Vce Saturation (Max) @ Ib, Ic  250mV @ 10mA, 100mA  Current - Collector Cutoff (Max)  100nA  DC Current Gain (hFE) (Min) @ Ic, Vce  100 @ 100mA, 1V  Power - Max  625mW  Frequency - Transition  100MHz  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package	Transistor Type	NPN
Vce Saturation (Max) @ Ib, Ic250mV @ 10mA, 100mACurrent - Collector Cutoff (Max)100nADC Current Gain (hFE) (Min) @ Ic, Vce100 @ 100mA, 1VPower - Max625mWFrequency - Transition100MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Current - Collector (Ic) (Max)	500mA
Current - Collector Cutoff (Max)  DC Current Gain (hFE) (Min) @ Ic, Vce  100 @ 100mA, 1V  Power - Max  625mW  Frequency - Transition  100MHz  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package	Voltage - Collector Emitter Breakdown (Max)	60V
DC Current Gain (hFE) (Min) @ Ic, Vce 100 @ 100mA, 1V  Power - Max 625mW  Frequency - Transition 100MHz  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package TO-92-3	Vce Saturation (Max) @ Ib, Ic	250mV @ 10mA, 100mA
Power - Max 625mW  Frequency - Transition 100MHz  Operating Temperature -55°C ~ 150°C (TJ)  Mounting Type Through Hole  Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package TO-92-3	Current - Collector Cutoff (Max)	100nA
Frequency - Transition  100MHz  Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package  TO-92-3	DC Current Gain (hFE) (Min) @ Ic, Vce	100 @ 100mA, 1V
Operating Temperature  -55°C ~ 150°C (TJ)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package  TO-92-3	Power - Max	625mW
Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package TO-92-3	Frequency - Transition	100MHz
Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package TO-92-3	Operating Temperature	-55°C ~ 150°C (TJ)
Supplier Device Package TO-92-3	Mounting Type	Through Hole
	Package / Case	TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)
Report errors?	Supplier Device Package	TO-92-3
		Report errors?

### MPSA05\_D75Z 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 Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### MPSA05\_D75Z Payment Methods



















## MPSA05\_D75Z Shipping Methods













If you have any question about MPSA05\_D75Z, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com