

BDP953H6327XTSA1

BDP953H6327XTSA1 Information



For Reference Only

t Number	BDP953H6327XTSA1
nufacturer	Infineon Technologies
egory	Discrete Semiconductor Products Transistors - Bipolar (BJT) - Single
cription	TRANS NPN 100V 3A SOT223
kage	TO-261-4, TO-261AA
	For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com E-mail: salesdept@heisener.com



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BDP953H6327XTSA1 Specifications

Manufacturer Part NumberBDP953H6327XTSA1ManufacturerInfineon TechnologiesCategoryDiscrete Semiconductor ProductsTransistor - Bipolar (BJT) - SinglePackageTO-261-4, TO-261AASeries-Transistor TypeNPNCurrent - Collector (Ic) (Max)3AVoltage - Collector Emitter Breakdown (Max)100VVce Saturation (Max) @ Ib, Ic500mV @ 200mA, 2ACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4		
CategoryDiscrete Semiconductor Products Transistors - Bipolar (BJT) - SinglePackageTO-261-4, TO-261AASeries-Transistor TypeNPNCurrent - Collector (Ic) (Max)3AVoltage - Collector Emitter Breakdown (Max)100VVcc Saturation (Max) @ Ib, Ic500mV @ 200mA, 2ACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Manufacturer Part Number	BDP953H6327XTSA1
Transistors - Bipolar (BJT) - SinglePackageTO-261-4, TO-261AASeries-Transistor TypeNPNCurrent - Collector (Ic) (Max)3AVoltage - Collector Emitter Breakdown (Max)100VVcc Saturation (Max) @ Ib, Ic500mV @ 200mA, 2ACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Manufacturer	Infineon Technologies
PackageTO-261-4, TO-261AASeries-Transistor TypeNPNCurrent - Collector (Ic) (Max)3AVoltage - Collector Emitter Breakdown (Max)100VVcc Saturation (Max) @ Ib, Ic500mV @ 200mA, 2ACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-S0T223-4	Category	Discrete Semiconductor Products
Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)3AVoltage - Collector Emitter Breakdown (Max)100VVcc Saturation (Max) @ Ib, Ic500mV @ 200mA, 2ACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - MaxSWFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4		Transistors - Bipolar (BJT) - Single
Transistor TypeNPNCurrent - Collector (Ic) (Max)3AVoltage - Collector Emitter Breakdown (Max)100VVcc Saturation (Max) @ Ib, Ic500mV @ 200mA, 2ACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Package	TO-261-4, TO-261AA
Current - Collector (Ic) (Max)3AVoltage - Collector Emitter Breakdown (Max)100VVce Saturation (Max) @ Ib, Ic500mV @ 200mA, 2ACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Series	-
Voltage - Collector Emitter Breakdown (Max)100VVce Saturation (Max) @ Ib, Ic500mV @ 200mA, 2ACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Transistor Type	NPN
Vce Saturation (Max) @ Ib, Ic500mV @ 200mA, 2ACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Current - Collector (Ic) (Max)	3A
Current - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Voltage - Collector Emitter Breakdown (Max)	100V
DC Current Gain (hFE) (Min) @ Ic, Vce100 @ 500mA, 1VPower - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Vce Saturation (Max) @ Ib, Ic	500mV @ 200mA, 2A
Power - Max5WFrequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Current - Collector Cutoff (Max)	100nA (ICBO)
Frequency - Transition100MHzOperating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	DC Current Gain (hFE) (Min) @ Ic, Vce	100 @ 500mA, 1V
Operating Temperature150°C (TJ)Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Power - Max	5W
Mounting TypeSurface MountPackage / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Frequency - Transition	100MHz
Package / CaseTO-261-4, TO-261AASupplier Device PackagePG-SOT223-4	Operating Temperature	150°C (TJ)
Supplier Device Package PG-SOT223-4	Mounting Type	Surface Mount
	Package / Case	TO-261-4, TO-261AA
Report er	Supplier Device Package	PG-SOT223-4
Reporter		Report errors?

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Quality Guarantees

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