

MPSA42RL1

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MPSA42RL1 Information

NAN V.Ineisener.com	Part Number	MPSA42RL1
	Manufacturer	ON Semiconductor
	Category	Discrete Semiconductor Products Transistors - Bipolar (BJT) - Single
	Description	TRANS NPN 300V 0.5A TO-92
	Package	TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)
		For the pricing/inventory/lead time, please contact us
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com

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.



MPSA42RL1 Specifications

ManufacturerON SemiconductorCategoryDiscrete Semiconductor ProductsTransistors - Bipolar (BJT) - SinglePackageTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Series-Transistor TypeNPNCurrent - Collector (Lo (Max)500mAVoltage - Collector Emitter Breakdown (Max)300VVote Saturation (Max) @ Ib, Ic500mV @ 2mA, 20mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce25 @ ImA, 10VPower - Max625mWFrequency - Transition500MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3		
CategoryDiscrete Semiconductor Products Transistors - Bipolar (BJT) - SinglePackageTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Series-Transistor TypeNPNCurrent - Collector (Lc) (Max)500mAVoltage - Collector Emitter Breakdown (Max)300VVce Saturation (Max) @ Ib, Ic500mV @ 2mA, 20mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce25 @ 1mA, 10VPower - Max625mWFrequency - Transition500HzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Manufacturer Part Number	MPSA42RL1
Transistors - Bipolar (BJT) - SinglePackageTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)500mAVoltage - Collector Emitter Breakdown (Max)300VVce Saturation (Max) @ Ib, Ic500mV @ 2mA, 20mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce25 @ 1mA, 10VPower - Max625mWFrequency - Transition50MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Manufacturer	ON Semiconductor
PackageTO-226-3, TO-92-3 (TO-226A) (Formed Leads)Series-Transistor TypeNPNCurrent - Collector (Ic) (Max)500mAVoltage - Collector Emitter Breakdown (Max)300VVce Saturation (Max) @ Ib, Ic500mV @ 2mA, 20mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce25 @ 1mA, 10VPower - Max625mWFrequency - Transition500MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Category	Discrete Semiconductor Products
Series-Transistor TypeNPNCurrent - Collector (Lo (Max)500mAVoltage - Collector Emitter Breakdown (Max)300VVcc Saturation (Max) @ Ib, Ic500mV @ 2mA, 20mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce25 @ 1mA, 10VPower - Max625mWFrequency - Transition50MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3		Transistors - Bipolar (BJT) - Single
Transistor TypeNPNCurrent - Collector (Lo) (Max)500mAVoltage - Collector Emitter Breakdown (Max)300VVce Saturation (Max) @ Ib, Ic500mV @ 2mA, 20mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce25 @ 1mA, 10VPower - Max625mWFrequency - Transition50MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Package	TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)
Current - Collector (Ic) (Max)500mAVoltage - Collector Emitter Breakdown (Max)300VVce Saturation (Max) @ Ib, Ic500mV @ 2mA, 20mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce25 @ 1mA, 10VPower - Max625mWFrequency - Transition50MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Series	-
Voltage - Collector Emitter Breakdown (Max)300VVce Saturation (Max) @ Ib, Ic500mV @ 2mA, 20mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce25 @ 1mA, 10VPower - Max625mWFrequency - Transition50MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Transistor Type	NPN
Vce Saturation (Max) @ Ib, Ic500mV @ 2mA, 20mACurrent - Collector Cutoff (Max)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce25 @ 1mA, 10VPower - Max625mWFrequency - Transition50MHzOperating 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)100nA (ICBO)DC Current Gain (hFE) (Min) @ Ic, Vce25 @ 1mA, 10VPower - Max625mWFrequency - Transition50MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Voltage - Collector Emitter Breakdown (Max)	300V
DC Current Gain (hFE) (Min) @ Ic, Vce25 @ 1mA, 10VPower - Max625mWFrequency - Transition50MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Vce Saturation (Max) @ Ib, Ic	500mV @ 2mA, 20mA
Power - Max625mWFrequency - Transition50MHzOperating 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 Cutoff (Max)	100nA (ICBO)
Frequency - Transition50MHzOperating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	DC Current Gain (hFE) (Min) @ Ic, Vce	25 @ 1mA, 10V
Operating Temperature-55°C ~ 150°C (TJ)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Power - Max	625mW
Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3	Frequency - Transition	50MHz
Package / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-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?

MPSA42RL1 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

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

MPSA42RL1 Payment Methods



MPSA42RL1 Shipping Methods



If you have any question about MPSA42RL1, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com