



MCR12DSN-001 Information



For Reference Only

Part Number MCR12DSN-001
Manufacturer ON Semiconductor

Category Discrete Semiconductor Products

Thyristors - SCRs

DescriptionTHYRISTOR SCR 12A 800V IPAK**Package**TO-251-3 Short Leads, IPak, TO-251AA

For the pricing/inventory/lead time, please contact

us

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



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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.









MCR12DSN-001 Specifications

Manufacturer Part Number MCR12DSN-001 Manufacturer ON Semiconductor Category Discrete Semiconductor Products Thyristors - SCRs Package TO-251-3 Short Leads, IPak, TO-251AA Series - Voltage - Off State 800V Voltage - Gate Trigger (Vgt) (Max) 1V Current - Gate Trigger (Igt) (Max) 200μA Voltage - On State (Vtm) (Max) 1.9V Current - On State (It (AV)) (Max) 7.6A Current - On State (It (RMS)) (Max) 12A Current - Hold (Ih) (Max) 6mA Current - Off State (Max) 10μA Current - Non Rep. Surge 50, 60Hz (Itsm) 100A @ 60Hz SCR Type Sensitive Gate Operating Temperature -40°C ~ 110°C Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package I-Pak		
CategoryDiscrete Semiconductor ProductsThyristors - SCRsPackageTO-251-3 Short Leads, IPak, TO-251AASeries-Voltage - Off State800VVoltage - Gate Trigger (Vgt) (Max)1VCurrent - Gate Trigger (Igt) (Max)200μAVoltage - On State (Vtm) (Max)1.9VCurrent - On State (It (AV)) (Max)7.6ACurrent - On State (It (RMS)) (Max)12ACurrent - Hold (Ih) (Max)6mACurrent - Non Rep. Surge 50, 60Hz (Itsm)100A @ 60HzSCR TypeSensitive GateOperating Temperature-40°C ~ 110°CMounting TypeThrough HolePackage / CaseTO-251-3 Short Leads, IPak, TO-251AASupplier Device PackageI-Pak	Manufacturer Part Number	MCR12DSN-001
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Voltage - Off State Voltage - Gate Trigger (Vgt) (Max) Current - Gate Trigger (Igt) (Max) Voltage - On State (Vtm) (Max) Current - On State (It (AV)) (Max) Current - On State (It (RMS)) (Max) Current - Hold (Ih) (Max) Current - Off State (Max) Current - Off State (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) SCR Type Sensitive Gate Operating Temperature -40°C ~ 110°C Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package	Package	TO-251-3 Short Leads, IPak, TO-251AA
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Current - Gate Trigger (Igt) (Max)200μAVoltage - On State (Vtm) (Max)1.9VCurrent - On State (It (AV)) (Max)7.6ACurrent - On State (It (RMS)) (Max)12ACurrent - Hold (Ih) (Max)6mACurrent - Off State (Max)10μACurrent - Non Rep. Surge 50, 60Hz (Itsm)100A @ 60HzSCR TypeSensitive GateOperating Temperature-40°C ~ 110°CMounting TypeThrough HolePackage / CaseTO-251-3 Short Leads, IPak, TO-251AASupplier Device PackageI-Pak	Voltage - Off State	800V
Voltage - On State (Vtm) (Max) Current - On State (It (AV)) (Max) Current - On State (It (RMS)) (Max) Current - Hold (Ih) (Max) Current - Off State (Max) Current - Non Rep. Surge 50, 60Hz (Itsm) SCR Type Sensitive Gate Operating Temperature Operating Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package	Voltage - Gate Trigger (Vgt) (Max)	1V
Current - On State (It (AV)) (Max) Current - On State (It (RMS)) (Max) 12A Current - Hold (Ih) (Max) 6mA Current - Off State (Max) 10μA Current - Non Rep. Surge 50, 60Hz (Itsm) 100A @ 60Hz SCR Type Sensitive Gate Operating Temperature -40°C ~ 110°C Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package	Current - Gate Trigger (Igt) (Max)	200μΑ
Current - On State (It (RMS)) (Max) Current - Hold (Ih) (Max) 6mA Current - Off State (Max) 10µA Current - Non Rep. Surge 50, 60Hz (Itsm) 100A @ 60Hz SCR Type Sensitive Gate Operating Temperature -40°C ~ 110°C Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package	Voltage - On State (Vtm) (Max)	1.9V
Current - Hold (Ih) (Max)6mACurrent - Off State (Max)10μACurrent - Non Rep. Surge 50, 60Hz (Itsm)100A @ 60HzSCR TypeSensitive GateOperating Temperature-40°C ~ 110°CMounting TypeThrough HolePackage / CaseTO-251-3 Short Leads, IPak, TO-251AASupplier Device PackageI-Pak	Current - On State (It (AV)) (Max)	7.6A
Current - Off State (Max)10μACurrent - Non Rep. Surge 50, 60Hz (Itsm)100A @ 60HzSCR TypeSensitive GateOperating Temperature-40°C ~ 110°CMounting TypeThrough HolePackage / CaseTO-251-3 Short Leads, IPak, TO-251AASupplier Device PackageI-Pak	Current - On State (It (RMS)) (Max)	12A
Current - Non Rep. Surge 50, 60Hz (Itsm) 100A @ 60Hz SCR Type Sensitive Gate -40°C ~ 110°C Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package	Current - Hold (Ih) (Max)	6mA
SCR Type Sensitive Gate Operating Temperature -40°C ~ 110°C Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package I-Pak	Current - Off State (Max)	10μΑ
Operating Temperature -40°C ~ 110°C Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package I-Pak	Current - Non Rep. Surge 50, 60Hz (Itsm)	100A @ 60Hz
Mounting Type Through Hole Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package I-Pak	SCR Type	Sensitive Gate
Package / Case TO-251-3 Short Leads, IPak, TO-251AA Supplier Device Package I-Pak	Operating Temperature	-40°C ~ 110°C
Supplier Device Package I-Pak	Mounting Type	Through Hole
	Package / Case	TO-251-3 Short Leads, IPak, TO-251AA
Report errors?	Supplier Device Package	I-Pak
		Report errors?

MCR12DSN-001 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.

MCR12DSN-001 Payment Methods



















MCR12DSN-001 Shipping Methods













If you have any question about MCR12DSN-001, please do not hesitate to contact us!

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