

MCR12N

MCR12N Information

	Part Number	MCR12N
-	Manufacturer	ON Semiconductor
www.heiseper.com	Category	Discrete Semiconductor Products Thyristors - SCRs
	Description	THYRISTOR SCR 12A 800V TO220AB
	Package	TO-220-3
		For the pricing/inventory/lead time, please contact
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com



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MCR12N Specifications

Manufacturer Part Number MCR12N Manufacturer ON Semiconductor Category Discrete Semiconductor Products Thyristors - SCRs Thyristors - SCRs Package TO-220-3 Series - Voltage - Off State 800V Voltage - Gate Trigger (Vgt) (Max) 1V Current - Gate Trigger (Igt) (Max) 20mA Voltage - On State (Vtm) (Max) 2.2V Current - On State (It (AV)) (Max) 12A Current - On State (It (RMS)) (Max) 10µA Current - Hold (Ih) (Max) 10µA Current - Non Rep. Surge 50, 60Hz (Itsm) 100A @ 60Hz SCR Type Standard Recovery Operating Temperature 40°C ~ 125°C Mounting Type Through Hole Package / Case TO-220AB		
CategoryDiscrete Semiconductor ProductsThyristors - SCRsPackageTO-220-3Series-Voltage Off State800VVoltage Gate Trigger (Vgt) (Max)IVCurrent - Gate Trigger (Igt) (Max)20mAVoltage - On State (Vtm) (Max)-Current - On State (It (AV)) (Max)-Current - On State (It (RMS)) (Max)12ACurrent - Moltage Semiger Semi	Manufacturer Part Number	MCR12N
PackageThyristors - SCRsPackageTO-220-3Series-Voltage - Off State800VVoltage - Gate Trigger (Vgt) (Max)1VCurrent - Gate Trigger (Igt) (Max)20mAVoltage - On State (Vtm) (Max)2.2VCurrent - On State (It (AV)) (Max)12ACurrent - On State (It (MSS)) (Max)10µACurrent - Hold (Ih) (Max)10µACurrent - Mor Rep. Surge 50, 60Hz (Itsm)100A @ 60HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220AB	Manufacturer	ON Semiconductor
PackageTO-220-3Series-Voltage - Off State800VVoltage - Gate Trigger (Vgt) (Max)1VCurrent - Gate Trigger (Igt) (Max)20mAVoltage - On State (Vtm) (Max)2.2VCurrent - On State (It (AV)) (Max)-Current - On State (It (RMS)) (Max)12ACurrent - On State (It (RMS)) (Max)10µACurrent - Hold (Ih) (Max)10µACurrent - Off State (Max)100A @ 60HzCurrent - Off State (Max)100A @ 60HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220AB	Category	Discrete Semiconductor Products
Series-Voltage - Off State800VVoltage - Off State800VVoltage - Gate Trigger (Vgt) (Max)1VCurrent - Gate Trigger (Igt) (Max)20mAVoltage - On State (Vtm) (Max)2.2VCurrent - On State (It (AV)) (Max)-Current - On State (It (MMS)) (Max)12ACurrent - Hold (Ih) (Max)40mACurrent - Off State (Max)10µACurrent - Off State (Max)100A @ 60HzScR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220AB		Thyristors - SCRs
Voltage - Off State800VVoltage - Gate Trigger (Vgt) (Max)1VCurrent - Gate Trigger (Igt) (Max)20mAVoltage - On State (Vtm) (Max)2.2VCurrent - On State (It (AV)) (Max)-Current - On State (It (RMS)) (Max)12ACurrent - Hold (Ih) (Max)40mACurrent - Off State (Max)10µACurrent - Off State (Max)100A @ 60HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220AB	Package	ТО-220-3
Voltage - Gate Trigger (Vgt) (Max)IVCurrent - Gate Trigger (Igt) (Max)20mAVoltage - On State (Vtm) (Max)2.2VCurrent - On State (It (AV)) (Max)-Current - On State (It (RMS)) (Max)12ACurrent - Hold (Ih) (Max)40mACurrent - Off State (Max)10µACurrent - Off State (Max)100A @ 60HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220AB	Series	-
Current - Gate Trigger (Igt) (Max)20mAVoltage - On State (Vtm) (Max)2.2VCurrent - On State (It (AV)) (Max)-Current - On State (It (RMS)) (Max)12ACurrent - Hold (Ih) (Max)40mACurrent - Hold (Ih) (Max)10µACurrent - Off State (Max)100A @ 60HzCurrent - Non Rep. Surge 50, 60Hz (Itsm)50R 0HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Voltage - Off State	800V
Voltage - On State (Vtm) (Max)2.2VCurrent - On State (It (AV)) (Max)-Current - On State (It (RMS)) (Max)12ACurrent - Hold (Ih) (Max)40mACurrent - Off State (Max)10µACurrent - Non Rep. Surge 50, 60Hz (Itsm)100A @ 60HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Voltage - Gate Trigger (Vgt) (Max)	1V
Current - On State (It (AV)) (Max)-Current - On State (It (RMS)) (Max)12ACurrent - Hold (Ih) (Max)40mACurrent - Off State (Max)10µACurrent - Off State (Max)100A @ 60HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Current - Gate Trigger (Igt) (Max)	20mA
Current - On State (It (RMS)) (Max)12ACurrent - Hold (Ih) (Max)40mACurrent - Off State (Max)10µACurrent - Non Rep. Surge 50, 60Hz (Itsm)100A @ 60HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Voltage - On State (Vtm) (Max)	2.2V
Current - Hold (Ih) (Max)40mACurrent - Off State (Max)10μACurrent - Non Rep. Surge 50, 60Hz (Itsm)100A @ 60HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Current - On State (It (AV)) (Max)	-
Current - Off State (Max)10μACurrent - Non Rep. Surge 50, 60Hz (Itsm)100A @ 60HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Current - On State (It (RMS)) (Max)	12A
Current - Non Rep. Surge 50, 60Hz (Itsm)100A @ 60HzSCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Current - Hold (Ih) (Max)	40mA
SCR TypeStandard RecoveryOperating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Current - Off State (Max)	10μΑ
Operating Temperature-40°C ~ 125°CMounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	Current - Non Rep. Surge 50, 60Hz (Itsm)	100A @ 60Hz
Mounting TypeThrough HolePackage / CaseTO-220-3Supplier Device PackageTO-220AB	SCR Type	Standard Recovery
Package / CaseTO-220-3Supplier Device PackageTO-220AB	Operating Temperature	$-40^{\circ}C \sim 125^{\circ}C$
Supplier Device Package TO-220AB	Mounting Type	Through Hole
	Package / Case	TO-220-3
Report errors?	Supplier Device Package	TO-220AB
		Report errors?

MCR12N 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 BUARANTEE

Service Guarantees

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



If you have any question about MCR12N, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com