

## MIC44F18YMME-TR

#### MIC44F18YMME-TR Information



#### **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.



### **MIC44F18YMME-TR Specifications**

Manufacturer Part Number MIC44F18YMME-TR   Manufacturer Microchip Technology   Category Integrated Circuits (ICs)   Package 8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad   Series -   Driven Configuration Low-Side   Number of Drivers 1   Gate Type P-Channel MOSFET   Voltage - Supply 4.5 V ~ 13.2 V   Lorrent - Peak Output (Source, Sink) 6A, 6A   Input Type Non-Inverting   High Side Voltage - Max (Bootstrap) -   Operating Temperature 4.0°C ~ 125°C (TJ)   Mounting Type Surface Mount   Package / Case 8.MSOP-EP			
CategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage&TSSOP, &MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeP-Channel MOSFETVoltage - Supply4.5 V ~ 13.2 VLogic Voltage - VIL, VIH1.607V, 1.615VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Boostrap)-Kise / Fall Time (Typ)10ns, 10nsOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8.MSOP.EP	Manufacturer Part Number	MIC44F18YMME-TR	
PackagePMIC - Gate DriversPackage8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeP-Channel MOSFETVoltage - Supply4.5 V ~ 13.2 VLogic Voltage - VIL, VIH1.607V, 1.615VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Kise / Fall Time (Typ)10ns, 10nsOperating Temperature4.0°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Manufacturer	Microchip Technology	
Package8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSeries-Driven ConfigurationIow-SideChannel TypeSingleNumber of Drivers1Gate TypeP-Channel MOSFETVoltage - Supply4.5 V ~ 13.2 VLogic Voltage - VIL, VIH1607V, 1.615VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingRise / Fall Time (Typ)10ns, 10nsOperating Temperature-Mounting TypeSurface MountPackage / Case8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Category	Integrated Circuits (ICs)	
Series-Driven ConfigurationLow-SideChannel TypeSingleNumber of Drivers1Gate TypeP-Channel MOSFETVoltage - Supply4.5 V ~ 13.2 VLogic Voltage - VIL, VIH1.607V, 1.615VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP		PMIC - Gate Drivers	
Driven ConfigurationLow-SideDriven ConfigurationSingleChannel Type1Number of DriversP-Channel MOSFETGate TypeP-Channel MOSFETVoltage - Supply4.5 V ~ 13.2 VLogic Voltage - VIL, VIH1.607V, 1.615VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)Ions, 10nsOperating Temperature40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad	
Channel TypeSingleNumber of Drivers1Gate TypeP-Channel MOSFETVoltage - Supply4.5 V ~ 13.2 VLogic Voltage - VIL, VIH1.607V, 1.615VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating TemperatureAur C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Series	-	
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Gate TypeP-Channel MOSFETVoltage - Supply4.5 V ~ 13.2 VLogic Voltage - VIL, VIH1.607V, 1.615VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Channel Type	Single	
Voltage - Supply4.5 V ~ 13.2 VLogic Voltage - VIL, VIH1.607V, 1.615VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Number of Drivers	1	
Logic Voltage - VIL, VIH1.607V, 1.615VCurrent - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Gate Type	P-Channel MOSFET	
Current - Peak Output (Source, Sink)6A, 6AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Voltage - Supply	4.5 V ~ 13.2 V	
Input TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Logic Voltage - VIL, VIH	1.607V, 1.615V	
High Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Current - Peak Output (Source, Sink)	6A, 6A	
Rise / Fall Time (Typ)10ns, 10nsOperating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Input Type	Non-Inverting	
Operating Temperature-40°C ~ 125°C (TJ)Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	High Side Voltage - Max (Bootstrap)	-	
Mounting TypeSurface MountPackage / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Rise / Fall Time (Typ)	10ns, 10ns	
Package / Case8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed PadSupplier Device Package8-MSOP-EP	Operating Temperature	-40°C ~ 125°C (TJ)	
Supplier Device Package 8-MSOP-EP	Mounting Type	Surface Mount	
	Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width) Exposed Pad	
Report errors?	Supplier Device Package	8-MSOP-EP	
			Report errors?

#### **MIC44F18YMME-TR 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.

#### MIC44F18YMME-TR Payment Methods



If you have any question about MIC44F18YMME-TR, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com