



### MIC2015-0.5YM6TX Information



For Reference Only

Part Number MIC2015-0.5YM6TX

Manufacturer Microchip Technology

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

**Description** IC DISTRIBUTION SW 0.5A SOT23-6

Package SOT-23-6

For the pricing/inventory/lead time, please contact

us

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# MIC2015-0.5YM6TX Specifications

Manufacturer Part Number       MIC2015-0.5YM6TX         Manufacturer       Microchip Technology         Category       Integrated Circuits (ICs)         PMIC - Power Distribution Switches, Load Drivers         Package       SOT-23-6         Series       -         Switch Type       General Purpose         Number of Outputs       1         Ratio - Input:Output       1:1         Output Configuration       High Side         Output Type       P-Channel         Interface       On/Off         Voltage - Load       2.5 V ~ 5.5 V         Voltage - Supply (Vcc/Vdd)       Not Required         Current - Output (Max)       500mA         Rds On (Typ)       70 mOhm         Input Type       Non-Inverting         Features       Slew Rate Controlled         Fault Protection       Current Limiting (Fixed), Over Temperature         Operating Temperature       -40°C ~ 85°C (TA)         Package / Case       SOT-23-6         Supplier Device Package       SOT-23-6		
Category         Integrated Circuits (ICs)           PMIC - Power Distribution Switches, Load Drivers           Package         SOT-23-6           Series         -           Switch Type         General Purpose           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         High Side           Output Type         P-Channel           Interface         On/Off           Voltage - Load         2.5 V ~ 5.5 V           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         500mA           Rds On (Typ)         70 mOhm           Input Type         Non-Inverting           Features         Slew Rate Controlled           Fault Protection         Current Limiting (Fixed), Over Temperature           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         SOT-23-6           Supplier Device Package         SOT-23-6	Manufacturer Part Number	MIC2015-0.5YM6TX
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Output ConfigurationHigh SideOutput TypeP-ChannelInterfaceOn/OffVoltage - Load2.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)500mARds On (Typ)70 mOhmInput TypeNon-InvertingFeaturesSlew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Package / CaseSOT-23-6Supplier Device PackageSOT-23-6	Number of Outputs	1
Output Type P-Channel Interface On/Off  Voltage - Load 2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 500mA  Rds On (Typ) 70 mOhm  Input Type Non-Inverting  Features Slew Rate Controlled  Fault Protection Current Limiting (Fixed), Over Temperature  Operating Temperature -40°C ~ 85°C (TA)  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Ratio - Input:Output	1:1
Interface On/Off  Voltage - Load 2.5 V ~ 5.5 V  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 500mA  Rds On (Typ) 70 mOhm  Input Type Non-Inverting  Features Slew Rate Controlled  Fault Protection Current Limiting (Fixed), Over Temperature  Operating Temperature -40°C ~ 85°C (TA)  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Output Configuration	High Side
Voltage - Load2.5 V ~ 5.5 VVoltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)500mARds On (Typ)70 mOhmInput TypeNon-InvertingFeaturesSlew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over TemperatureOperating Temperature-40°C ~ 85°C (TA)Package / CaseSOT-23-6Supplier Device PackageSOT-23-6	Output Type	P-Channel
Voltage - Supply (Vcc/Vdd)  Current - Output (Max)  Rds On (Typ)  70 mOhm  Input Type  Non-Inverting  Features  Slew Rate Controlled  Fault Protection  Current Limiting (Fixed), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  Supplier Device Package  SOT-23-6	Interface	On/Off
Current - Output (Max)  Rds On (Typ)  70 mOhm  Input Type  Non-Inverting  Features  Slew Rate Controlled  Fault Protection  Current Limiting (Fixed), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SUPPlier Device Package  SOT-23-6	Voltage - Load	2.5 V ~ 5.5 V
Rds On (Typ)  Input Type  Non-Inverting  Features  Slew Rate Controlled  Fault Protection  Current Limiting (Fixed), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SOT-23-6  Supplier Device Package  SOT-23-6	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type  Non-Inverting  Features  Slew Rate Controlled  Current Limiting (Fixed), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SOT-23-6  Supplier Device Package  SOT-23-6	Current - Output (Max)	500mA
Features  Slew Rate Controlled  Fault Protection  Current Limiting (Fixed), Over Temperature  Operating Temperature  -40°C ~ 85°C (TA)  Package / Case  SOT-23-6  Supplier Device Package  SOT-23-6	Rds On (Typ)	70 mOhm
Fault Protection Current Limiting (Fixed), Over Temperature Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Input Type	Non-Inverting
Operating Temperature -40°C ~ 85°C (TA)  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Features	Slew Rate Controlled
Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Fault Protection	Current Limiting (Fixed), Over Temperature
Supplier Device Package SOT-23-6	Operating Temperature	-40°C ~ 85°C (TA)
	Package / Case	SOT-23-6
D	Supplier Device Package	SOT-23-6
Report errors		Report errors?

### MIC2015-0.5YM6TX Guarantees



#### **Quality Guarantees**

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We guarantee 100% customer satisfaction.

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### MIC2015-0.5YM6TX Payment Methods





















# MIC2015-0.5YM6TX Shipping Methods













If you have any question about MIC2015-0.5YM6TX, please do not hesitate to contact us!

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