

## Voltage Regulators

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# VOLTAGE REGULATORS

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Part Number	Package	Maximum Output Current	Output Voltage @ TJ = 25°C		Input Voltage		Operating Temperature Topr(°C)
			Io (A)	V <sub>o</sub> (V) Min	V <sub>o</sub> (V) Max	V <sub>i</sub> (V) Min	
MC78M05CDT	DPAK	0.5	4.8	5.2	-	35	0~125
MC78M06CDT	DPAK	0.5	5.75	6.25	8	25	0~125
MC78M08CDT	DPAK	0.5	7.7	8.3	10.5	25	0~125
MC78M12CDT	DPAK	0.5	11.5	12.5	-	35	0~125
MC78M15CDT	DPAK	0.5	14.25	15.75	-	35	0~125
MCT1117C-1.2	SOT-223	1	1.176	1.224	2.7	10	-20~125
MCT1117C-1.5	SOT-223	1	1.47	1.53	3	10	-20~125
MCT1117C-1.8	SOT-223	1	1.764	1.836	3.3	12	-20~125
MCT1117C-2.5	SOT-223	1	2.45	2.55	4	12	-20~125
MCT1117C-2.85	SOT-223	1	2.793	2.907	4.35	12	-20~125
MCT1117C-3.3	SOT-223	1	3.234	3.366	4.8	12	-20~125
MCT1117C-5.0	SOT-223	1	4.9	5.1	6.5	12	-20~125
MCT1117C-ADJ	SOT-223	1	1.225	1.275	2.75	12	-20~125
TL431KC	SOT-23	0.05	2.485	2.505	-	36	-40~125
TL431HA	SOT-23	0.1	2.487	2.512	-	36	-40~125
TL431KA	SOT-23	0.1	2.483	2.507	-	36	-40~125
TL431KB	SOT-23	0.1	2.485	2.505	-	36	-40~125
TL431KCS	SOT-23	0.1	2.485	2.505	-	36	-40~125
TL431LB	SOT-23	0.1	2.483	2.507	-	36	-20~125
MC6225K3-1.2	SOT-23-3L	0.5	1.176	1.224	1.8	6	-40~125
MC6225K3-1.8	SOT-23-3L	0.5	1.764	1.836	1.8	6	-40~125
MC6225K3-2.5	SOT-23-3L	0.5	2.45	2.55	1.8	6	-40~125
MC6225K3-3.3	SOT-23-3L	0.5	3.234	3.366	1.8	6	-40~125
MC6230-1.2	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-1.5	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-1.8	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-2.5	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-2.8	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-3.0	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-3.3	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC6230-3.6	SOT23-5L	0.3	0.98	6.12	2	7	-40~125
MC7333	SOT23-5L	0.3	1.2	5	2.3	8	-40~125
MC6225-1.2	SOT23-5L	0.5	1.176	1.224	1.8	6	-40~125
MC6225-1.8	SOT23-5L	0.5	1.764	1.836	1.8	6	-40~125
MC6225-2.5	SOT23-5L	0.5	2.45	2.55	1.8	6	-40~125
MC6225-3.0	SOT23-5L	0.5	2.94	3.06	1.8	6	-40~125
MC6225-3.3	SOT23-5L	0.5	3.234	3.366	1.8	6	-40~125
MC6300-ADJ	SOT23-5L	0.5	0.6	5.5	1.8	7	-40~85
MC78L05F	SOT-89	0.1	4.8	5.2	7	20	-20~120
MC78L05FA	SOT-89	0.1	4.8	5.2	7	20	-25~125
MC78L06F	SOT-89	0.1	5.75	6.25	8.5	20	-20~120
MC78L08F	SOT-89	0.1	7.7	8.3	10.5	23	-25~125
MC79L05F	SOT-89	0.1	-4.8	-5.2	-7	-20	-30~75
MC79L06F	SOT-89	0.1	-5.76	-6.24	-8.5	-20	-30~75

## Voltage Regulators

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Part Number	Package	Maximum Output Current I <sub>o</sub> (A)	Output Voltage @ T <sub>J</sub> = 25°C		Input Voltage		Operating Temperature T <sub>opr</sub> (°C)
			V <sub>o</sub> (V) Min	V <sub>o</sub> (V) Max	V <sub>i</sub> (V) Min	V <sub>i</sub> (V) Max	
MC79L08F	SOT-89	0.1	-7.68	-8.32	-10.5	-30	-30~75
MCA1117C-1.8	SOT-89	0.8	1.764	1.836	3.3	12	-25~125
MCA1117C-2.5	SOT-89	0.8	2.45	2.55	4	12	-25~125
MCA1117C-3.3	SOT-89	0.8	3.234	3.366	4.8	12	-25~125
MCA1117C-5.0	SOT-89	0.8	4.9	5.1	6.5	12	-25~125
MCA1117C-ADJ	SOT-89	0.8	1.225	1.275	2.75	12	-25~125
MC7805CT	TO-220	1.5	4.8	5.2	7	20	-20~125

## Web Tools and Resources

We offer robust tools and resources to make your job easier



### Parametric search

- Reliable self-service tool for OEMs and engineers
- PPAP and AEC-Q101 parameters
- Stop wasting time chasing part data



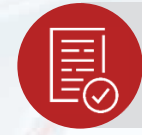
### Inventory availability

- Check product availability
- Secure your supply chain
- Buy with a few clicks



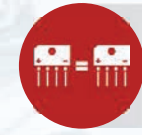
### End-of-life search

- Full product history
- EOL documents
- Recommendations for alternates



### Product documentation hub

- Get key part specs and details
- Access quality tests and documentation
- Qualify suppliers and parts faster



### Cross-reference

- Search by competitor part numbers
- Source MCC alternatives
- Check inventory levels to prevent delays

The screenshot displays the MCC website interface, highlighting several key features:

- Power MOSFETS Page:** A detailed product page for Power MOSFETS, featuring a table of specifications and a 'Check Stock' button.
- MCC Products:** A navigation menu listing various product categories such as Diodes, Bipolar Transistors, and ESD Protection and Power TVS.
- MCC Resources:** A section providing technical resources, including 'Our New Low-Profilte SMD Power MOSFETs' and 'MCC's Auto-Grade SMD Power MOSFETs'.
- Product Detail Page:** A detailed view of the MCAC100N08Y MOSFET, showing its package type (TO-18), packaging information, and a table of electrical characteristics.
- Reliability & Chemical Content:** A section providing detailed information about the product's reliability and chemical composition.