



Micrel Power Management ICs for Ethernet Products

Power Requirements			Input Voltage			
			3.3V	5V	9V – 12V	24V
Ethernet Part Number	Voltage (V)	Current (A)	Power Part Number			
KS8721B/BT	2.5	0.18	MIC5259-2.5BD5	MIC5259-2.5BML	MIC4690BM	MIC4690BM
	3.3	Board Dependent 0.02	–	–	–	–
KS8721B/BTI	2.5	0.18	MIC5259-2.5BD5	MIC5259-2.5BML	MIC4690BM	MIC4690BM
	3.3	Board Dependent 0.02	–	–	–	–
KS8721BL/SL	–	–	–	–	–	–
	3.3	0.18	–	MIC5259-3.3BML	MIC4690BM	MIC4690BM
KS8721CL	–	–	–	–	–	–
	3.3	0.18	–	MIC5255-3.3BD5	MIC4690BM	MIC4690BM
KS8001L	–	–	–	–	–	–
	3.3	0.12	–	MIC5259-3.3BML	MIC4690BM	MIC4690BM
KS8993	2.5	0.33	MIC5239-2.5BM	MIC5239-2.5BM	MIC4690BM	MIC4690BM
	3.3	Board Dependent 0.02	–	–	–	–
KS8993I	2.5	0.375	MIC5239-2.5BM	MIC5239-2.5BM	MIC4690BM	MIC4690BM
	3.3	Board Dependent 0.02	–	–	–	–
KS8993M	1.8	0.12	MIC5247-1.8BD5	MIC5247-1.8BML	MIC39150-1.8BU / MIC4690BM	MIC4690BM
	3.3	0.228	–	MIC5259-3.3BML	MIC4690BM	MIC4690BM
KS8993MI	1.8	0.144	MIC5247-1.8BD5	MIC5255-1.8BML	MIC4690BM	MIC4690BM
	3.3	0.274	–	MIC5259-3.3BML	MIC4690BM	MIC4690BM
KS8993F	1.8	0.12	MIC5247-1.8BD5	MIC5247-1.8BML	MIC39150-1.8BU / MIC4690BM	MIC4690BM
	3.3	0.228	–	MIC5259-3.3BML	MIC4690BM	MIC4690BM
KS8995XA *VDDAT – either 2.5V or 3.3V	1.8 VDDC/VDDAP/VDDAR	0.206 (max)	MIC5259-1.8BML	MIC5239BM	MIC4690BM	MIC4690BM
	2.5* VDDAT/VDDIO	0.347	MIC5319-2.5BML	MIC5209-2.5BU	MIC4690BM	MIC4690BM
	3.3* VDDAT/VDDIO	0.347	–	MIC5239-3.3BM	MIC4690BM	MIC4690BM
KS8995MA *VDDAT – either 2.5V or 3.3V	1.8 VDDC/VDDAP/VDDAR	0.23 (max)	MIC5259-1.8BML	MIC37150-1.8BR	MIC4690BM	MIC4690BM
	2.5* VDDAT	0.375 (max)	MIC5319-2.5BML	MIC5209-2.5BU	MIC4690BM	MIC4690BM
	3.3* VDDAT	0.375 (max)	–	MIC5239-3.3BM	MIC4690BM	MIC4690BM
	3.3 - VDDIO	0.03 (max)	–	MIC5255-3.3BD5	MIC5235-3.3BM5	MIC5233-3.3BM5

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KS8995MAI *VDDAT – either 2.5V or 3.3V	1.8 VDDC/VDDAP/VDDAR	0.23 (max)	MIC5259-1.8BML	MIC37150-1.8BR	MIC4690BM	MIC4690BM
	2.5* VDDAT	0.375 (max)	MIC5319-2.5BML	MIC5209-2.5BU	MIC4690BM	MIC4690BM
	3.3*VDDAT	0.375 (max)	–	MIC5239-3.3BM	MIC4690BM	MIC4690BM
	3.3 - VDDIO	0.03 (max)	–	MIC5255-3.3BD5	MIC5235-3.3BM5	MIC5233-3.3BM5
KS8997	2.1	0.9	MIC37152BR	MIC2207BML	MIC4685BR	MIC4685BR
	3.3	0.07	–	MIC5255-3.3BD5	MIC4690BM	MIC4690BM
KS8999	2.1	1.04	MIC37252BR	MIC2207BML	MIC4685BR	MIC4685BR
	3.3	0.2	–	MIC5259-3.3BML	MIC4690BM	MIC4690BM
KS8999I	2.1	1.04	MIC37152BR	MIC2207BML	MIC4685BR	MIC4685BR
	3.3	0.2	–	MIC5259-3.3BML	MIC4690BM	MIC4690BM
KS8695X	1.8	0.333	MIC5239BM	MIC37152BR	MIC4690BM	MIC4690BM
	2.5	0.22	MIC5259-2.5BD5	MIC5239-2.5BM	MIC4690BM	MIC4690BM
	3.3	0.164	–	MIC5259-3.3BML	MIC4690BM	MIC4690BM
KS8695P	1.8	0.235	MIC5239BM	MIC37152BR	MIC4690BM	MIC4690BM
	3.3	0.243	–	MIC5239-3.3BM	MIC4690BM	MIC4690BM
KS8695PX	1.8	0.235	MIC5239BM	MIC37152BR	MIC4690BM	MIC4690BM
	3.3	0.243	–	MIC5239-3.3BM	MIC4690BM	MIC4690BM
KS8893M/ML	–	–	–	–	–	–
	3.3	0.24	–	MIC5239-3.3BM	MIC4690BM	MIC4690BM
KS8842M	–	–	–	–	–	–
	3.3	0.23	–	MIC5239-3.3BM	MIC4690BM	MIC4690BM
KS8841M	–	–	–	–	–	–
	3.3	0.155	–	MIC5239-3.3BM	MIC4690BM	MIC4690BM
KS8442P	–	–	–	–	–	–
	3.3	0.23	–	MIC5239-3.3BM	MIC4690BM	MIC4690BM
KS8441P	–	–	–	–	–	–
	3.3	0.155	–	MIC5239-3.3BM	MIC4690BM	MIC4690BM

1. For Lead-Free, replace the "B" in the part number with a "Y". i.e. MIC5255-2.5BD5 in lead free is MIC5255-2.5YD5.
2. For RoHS compliant parts with 'high-melting solder' exception, replace the "B" in the part number with a "W". i.e. MIC37152BR in RoHS compliant is MIC37152WR.
3. All current consumption measurements include transformers and LEDs.

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