

Input Voltage \ Output Current	2.5V to 5.5V	4.5V to 18V	4.5V to 22V	4.5V to 24V
≤1A	NX4108(2.8V) NX4110(2.8V)	LX7104 NX7101(4.75V)		
≤2A	LX7172 LX1918(2.7V) LX7167(3.0V)	LX7104 NX7101(4.75V) LX3005(4.75V)	LX3005(4.75V)	LX3005(4.75V)
≤3A	LX7169(3.0V)	NX7102(4.75V) NX9415(8V)	NX9415(8V)	NX9415(8V)
≤5A		NX9415(8V)	NX9415(8V)	NX9415(8V)
>5A		NX9548(20V)	NX9548(20V)	
≥10A		LX9610(8V) NX2423 NX2138 NX2147 NX2155H(8V) NX2124/A	LX9610(8V) NX2423 NX2138 NX2147 NX2155H(8V) NX2124/A	NX2124/A
≥20A		LX1752 NX2837(9V) LX1675 NX2139A	LX1752 NX2837(9V) LX1675 NX2139A	LX1675 NX2139A NX2838(32V)

NOTE: *Regulators, Controllers, Power Module*, output voltage from 0.9V to 3.3V for all above listed devices

	Output Current Range (A)	Input Voltage Range (V)	Output Voltage Range (V)	No Load Current (mA)	Switching Frequency Range (kHz)	Max Duty Cycle (%)	Control Method	PSM	PGOOD	EXT Sync	OCP Type	OCP Clear	Soft Start	Single Supply	Order Part Number	Package	Operating Temperature (°C)
NX4108	1	2.8-5.5	0.6-3.3	4	1000	78	Current	NO	NO	NO	Fixed	Hiccup	Fixed	YES	NX4108CZ1TR	SOT23-5	-40 to 85
NX4108-12	1	2.8-5.5	1.2	15	1000	78	Current	NO	NO	NO	Fixed	Hiccup	Fixed	YES	NX4108-12CZ1TR	SOT23-5	-40 to 85
NX4108-15	1	2.8-5.5	1.5	8.5	1000	85	Current	NO	NO	NO	Fixed	Hiccup	Fixed	YES	NX4108-15CZ1TR	SOT23-5	-40 to 85
NX4108-18	1	2.8-5.5	1.8	8.5	1000	85	Current	NO	NO	NO	Fixed	Hiccup	Fixed	YES	NX4108-18CZ1TR	SOT23-5	-40 to 85
NX4108-33	1	4.5-5.5	3.3	20	1000	78	Current	NO	NO	NO	Fixed	Hiccup	Fixed	YES	NX4108-33CZ1TR	SOT23-5	-40 to 85
NX4110	1	2.8-5.5	0.6-3.3	4	1000	78	Current	NO	YES	NO	Fixed	Hiccup	Fixed	YES	NX4110CZ1TR	SOT23-5	-40 to 85
LX7172	1.2	2.5-5.5	0.6-3.3	0.062	1400	100	Current	YES	NO	NO	Fixed	Hiccup	Fixed	YES	LX7172ISE	SOT23-5	-40 to 85
LX1918	1.8	2.7-5.5	0.6-3.3	0.35	1000 500-1250 EX	100	Current	YES	NO	YES	Fixed	Hiccup	Fixed	YES	LX1918CLD	MLP-8 (3x3)	-40 to 85
LX7167	2	3.0-5.5	0.6-3.3	0.35	3000	100	Hysteretic	YES	YES	NO	Fixed	Hiccup	Fixed	YES	LX7167CLD	MLPD-8 (2x2)	-10 to 85
LX7169	3	3.0-5.5	0.8-3.3	12	3000	100	Hysteretic	NO	YES	YES	Fixed	Hiccup	Fixed	YES	LX7169CLD	DFN-12 (3x3.5)	-10 to 85

NOTE: Contact Microsemi www.microsemi.com for the most current information

	Output Current Range (A)	Input Voltage Range (V)	Output Voltage Range (V)	No Load Current (mA)	Switching Frequency Range (kHz)	Max Duty Cycle (%)	Control Method	PSM	PGOOD	EXT Sync	OCP Type	OCP Clear	Soft Start	Single Supply	Order Part Number	Package	Operating Temperature (°C)
LX7104	1.5	4.5-18	0.81-15	0.8	1400	90	Current	NO	NO	NO	Fixed	Hiccup	Fixed	YES	LX7104ISF	SOT23-6	-40 to 85
NX7101	2	4.75-18	0.925-0.83VIN	1	340	83	Current	NO	NO	NO	Fixed	Hiccup	ADJ	YES	NX7101IDM	SOIC-8	-40 to 85
LX3005	2	4.75-25	0.8-21	1.3	420	100	Current	NO	NO	NO	Fixed	Hiccup	Fixed	YES	LX3005CDM	SOIC-8	0 to 85
NX7102	3	4.75-18	0.925-0.83VIN	1	340	83	Current	NO	NO	NO	Fixed	Hiccup	ADJ	YES	NX7102IDE	SOIC-8 EP	-40 to 85
NX9415	5	8-22	0.8-5	4.8	Up to 1000	62	Voltage	NO	NO	NO	ADJ	Hiccup	Digital Internal	YES	NX9415CMTR	MCM-24 (4x4)	0 to 70
NX9548	7	4.5-20	0.75-5	1.8	ADJ	80	COT	YES	YES	NO	Fixed	Latch	Digital Internal	NO	NX9548CMTR	MCM-32 (5x5)	0 to 70
LX9610*	10	8-20	0.8-5	75	600-1000	89.5	Voltage	NO	NO	NO	ADJ	Hiccup	Digital Internal	YES	LX9610ILQ	QFN EP (15x15)	-40 to 85

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	Input Voltage Range (V)	Output Voltage Range (V)	No Load Current (mA)	Switching Frequency Range (kHz)	Max Duty Cycle (%)	Control Method	PSM	PGOOD	EXT Sync	OCP Type	OCP Clear	Soft Start	Single Supply	Order Part Number	Package	Operating Temperature (°C)
NX2124	2-25	0.8-5	3	300	84	Voltage	NO	NO	NO	Fixed	Hiccup	Digital Internal	NO	NX2124CSTR	SOIC-8	0 to 70
NX2124A	2-25	0.8-5	3	300	84	Voltage	NO	NO	NO	Fixed	Hiccup	Digital Internal	NO	NX2124ACSTR	SOIC-8	0 to 70
NX2423	4.5-22	0.6-5	6.7	50-500 ADJ	97	Voltage	NO	YES	NO	ADJ	Hiccup	Digital Internal	YES	NX2423CMTR	MLPQ-24 (4x4)	0 to 70
NX2138	4.5-22	0.75-3.3	1.6	ADJ	84	COT	YES	YES	NO	ADJ	Latch	Digital Internal	NO	NX2138CMTR	MLPQ-16 (4x4)	-10 to 100
NX2147	4.5-22	0.75-3.3	1.6	ADJ	84	COT	YES	NO	NO	ADJ	Latch	Digital Internal	NO	NX2147CMTR	MLPQ-16 (3x3)	-10 to 100
NX2155H	8-22	0.8-5	4.8	Up to 2000 ADJ	62	Voltage	NO	NO	NO	ADJ	Hiccup	Digital Internal	YES	NX2155HCUPTR	MSOP-EP-10L	0 to 70

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	Output	Input Voltage Range (V)	Output Voltage Range (V)	No Load Current (mA)	Switching Frequency Range (kHz)	Max Duty Cycle (%)	LDO	Control Method	PSM	PGOOD	EXT Sync	OCP Type	OCP Clear	Soft Start	Single Supply	Order Part Number	Package	Operating Temp (°C)
LX1752	2	4.5-22	0.7-0.88V _{IN}	6	200-1500	88	NO	Voltage	NO	NO	NO	ADJ	Hiccup	ADJ	YES	LX1752CLQ	MLPQ-28 (5x4)	0 to 85
LX1675	4	4.5-24	0.8-0.85V _{IN} 0.8-0.74V _{IN}	6	300 600	85 74	YES EXT FET	Voltage	NO	NO	NO	ADJ	Hiccup	ADJ	YES	LX1675CLQ LX1675ILQ	MLPQ-38 (7x5)	0 to 85 -40 to 85
NX2139A	2	4.5-22	0.75-3.3	1.8	ADJ	84	YES EXT FET	COT	YES	YES	NO	ADJ	Latch	Fixed	NO	NX2139ACMTR	MLPQ-16 (3x3)	-10 to 100
NX2838	2	8-32	0.8-5	3.9	200-1000	68	Fixed 3.3V / 700mA	Voltage	NO	YES FOR LDO	NO	ADJ	Hiccup	Digital Internal	YES	NX2838CMTR	MLPQ-16 (3x3)	0 to 70
NX2837	2	9-22	5	3.9	350	78	Fixed 3.3V / 700mA	Voltage	NO	YES FOR LDO	NO	Fixed	Hiccup	Digital Internal	YES	NX2837CUPTR	MSOP-EP-10L	0 to 70

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