

Step Down Regulators with V<sub>IN</sub> up to 5.5V Selection Guide

	Max Output Current (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)
<a href="#"><u>NX4108</u></a>	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
<a href="#"><u>NX4108-12</u></a>	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
<a href="#"><u>NX4108-15</u></a>	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
<a href="#"><u>NX4108-18</u></a>	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
<a href="#"><u>NX4108-33</u></a>	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
<a href="#"><u>NX4110</u></a>	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
<a href="#"><u>LX7172</u></a>	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
<a href="#"><u>LX7180A</u></a>	1.2	2.5-5.5	0.6-3.3	0.34	1650	93	Hysteretic	YES	NO	NO	Fixed	Hiccup	Fixed	Yes	LX7180A-xxCSP	QFN (2x2)	0 to 85
<a href="#"><u>LX7186A</u></a>	1.2	2.5-5.5	0.6-3.3	0.062	1400	100	Current	YES	NO	NO	Fixed	Hiccup	Fixed	YES	LX7186AISE	SOT23-5	-40 to 85

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<a href="#">LX1918</a>	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
<a href="#">LX7167</a>	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
<a href="#">LX7169</a>	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
<a href="#">LX7165</a>	5	3.0-5.5	0.6-3.3	0.44	1875	100	Hysteretic	YES	YES	NO	Fixed	Hiccup	Fixed	YES	LX7165-xyCSP	WLCSP-20 (0.4 pitch)	0 to 85
<a href="#">LX7175</a>	3	3.0-5.5	0.8-3.3	0.2	1400	70	Hysteretic	YES	YES	NO	Fixed	Latch	Fixed	YES	LX7175CLD	DFN-10 (3x3)	-10 to 85
<a href="#">LX7176</a>	3	4.5-5.5	0.6-3.3	0.6	1650	100	Hysteretic	NO	YES	NO	Fixed	Hiccup	Fixed	YES	LX7176CLQ	QFN-12 (2x2)	0 to 85
<a href="#">LX7157B</a>	3	3.5-5	0.8-1.8	0.7	2200	-	Current	YES	YES	YES	Fixed	Hiccup	Fixed	YES	LX7157BCLD	DFN-12 (3x3.5)	-10 to 85
<a href="#">LX7176A</a>	3	3.0-5.5	0.8-3.3	0.35	1650	-	Hysteretic	YES	YES	NO	Fixed	Hiccup	Fixed	YES	LX7176ACLQ	QFN (2x2)	0 to 85
<a href="#">LX7178</a>	3	4.5-5.5	0.6-3.3	0.44	1875	-	Hysteretic	NO	YES	NO	Fixed	Hiccup	Fixed	YES	LX7178-OICSP	WLCSP-20 (1.8x2)	0 to 85

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Step Down Regulators with V<sub>IN</sub> up to 25V Selection Guide

	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)
<a href="#">LX7104</a>	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
<a href="#">NX7101</a>	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
<a href="#">NX7102</a>	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
<a href="#">NX9415</a>	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
<a href="#">NX9548</a>	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
<a href="#">LX9610*</a>	12	8-22	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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## Step Down Controllers with Single Output Selection Guide

	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)
<a href="#"><u>NX2124</u></a>	2-25	0.8-5	3	300	84	Voltage	NO	NO	NO	Fixed	Hiccup	Digital Internal	NO	NX2124CSTR	SOIC-8	0 to 70
<a href="#"><u>NX2124A</u></a>	2-25	0.8-5	3	300	84	Voltage	NO	NO	NO	Fixed	Hiccup	Digital Internal	NO	NX2124ACSTR	SOIC-8	0 to 70
<a href="#"><u>NX2423</u></a>	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
<a href="#"><u>NX2138</u></a>	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
<a href="#"><u>NX2147</u></a>	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
<a href="#"><u>LX7302</u></a>	5-26	0.6-2.5	1.8	200-1000	91	Hysteretic	YES	YES	NO	ADJ	Hiccup	Digital Internal	NO	LX7302CLQ	MLPQ-20 (3x3)	0 to 85
<a href="#"><u>NX2155H</u></a>	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
<a href="#"><u>LX7309</u></a>	7-80	9.5-20	3	100-500	44.5	Current	YES	NO	YES	Fixed	Hiccup	ADJ	YES	LX7309ILQ	QFN-24	-40 to 85

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## Step Down Controllers with Multiple Output Selection Guide

	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)
<a href="#">LX1752</a>	2	4.5-22	0.7-0.88V <sub>IN</sub>	6	200-1500	88	NO	Voltage	NO	NO	NO	ADJ	Hiccup	ADJ	YES	LX1752CLQ	MLPQ-28 (5x4)	0 to 85
<a href="#">LX1675</a>	4	4.5-24	0.8-0.85V <sub>IN</sub> 0.8-0.74V <sub>IN</sub>	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
<a href="#">NX2139A</a>	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
<a href="#">NX2838</a>	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
<a href="#">NX2837</a>	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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