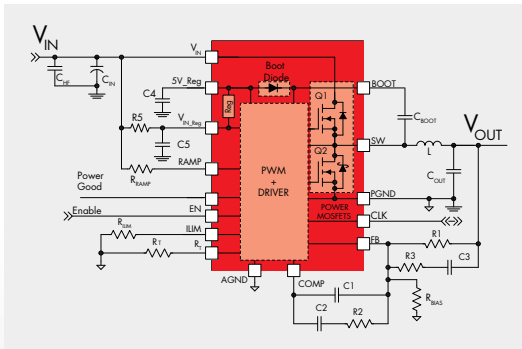
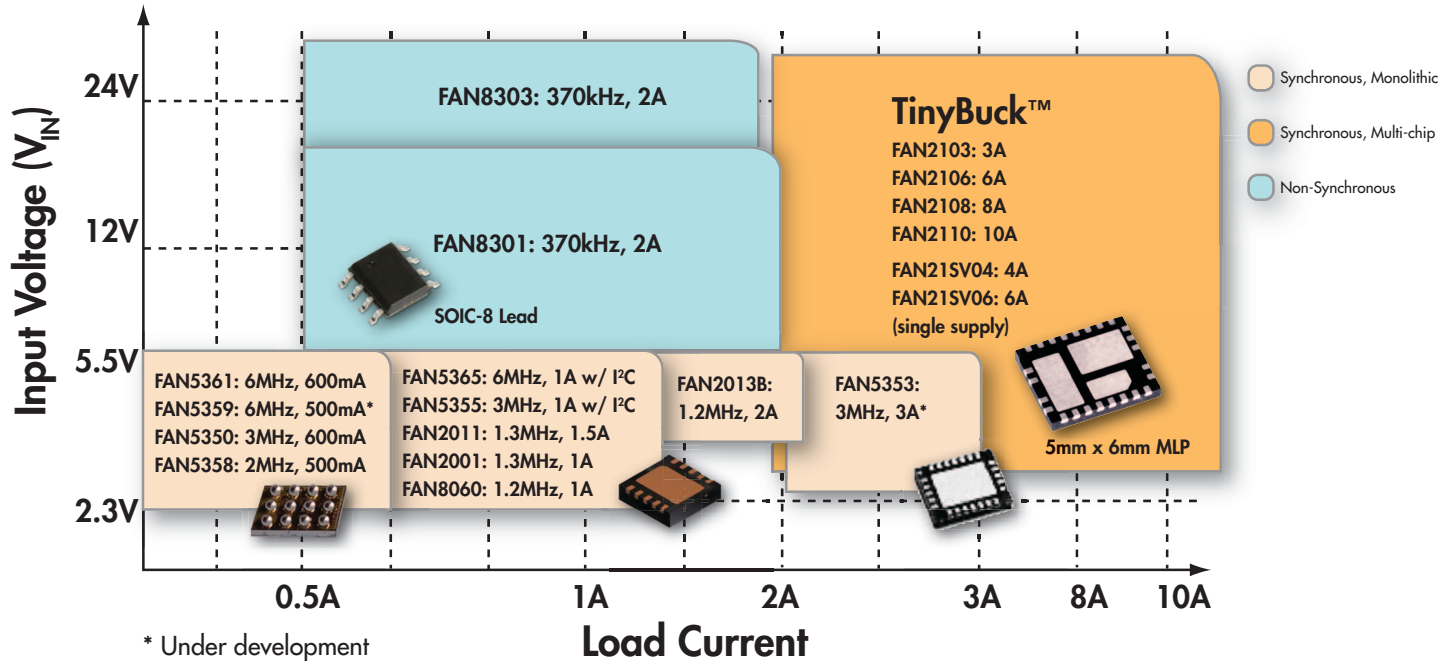


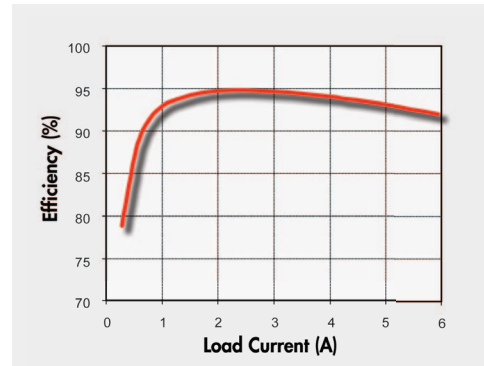
Fairchild's DC-DC Converter Solutions

Fairchild's Offering

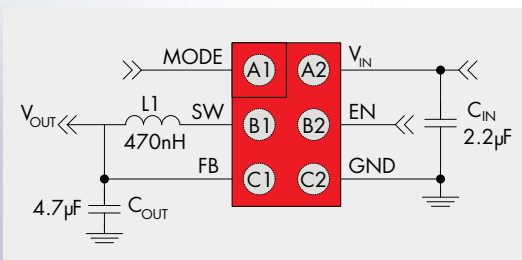
Fairchild's DC-DC synchronous and non-synchronous Buck regulators provide solutions for today's market demands that require lower power consumption, highly efficient integrated functions and smaller packages.



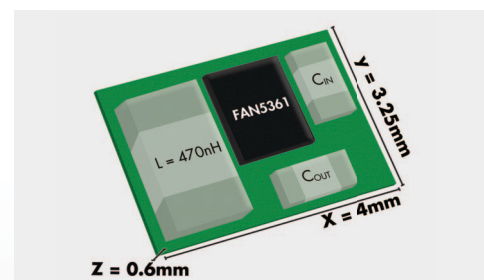
FAN21SV06 Typical Application



FAN21SV06 Efficiency Graph



FAN5361 Typical Application



FAN5361 PCB Layout

For data sheets, application notes, samples and more, please visit: www.fairchildsemi.com
DC-DC Buck Regulators

Product Number	Type	Power Input		Output Current (A)	V _{OUT}		Output Type	Switching Frequency (MHz)	Efficiency (%)	External Sync	Package
		Min. (V)	Max. (V)		Min. (V)	Max. (V)					
FAN5358	Sync Buck	2.7	5.5	0.5	1.0	1.8	Fixed	2	92	—	SC70 6-lead
FAN5359	Sync Buck	2.7	5.5	0.5	1.0	1.8	Fixed	6	90	—	SC70 6-lead
FAN5350	Sync Buck	2.7	5.5	0.6	1.82	1.82	Fixed	3	94	—	MLP 3x3; WL-CSP 1.46x2.23, 5 Bump
FAN5361	Sync Buck	2.3	5.5	0.6	1.0	1.82	Fixed	6	92	Yes	WL-CSP, 0.99 x 1.39, 6 Bump
FAN5355	Sync Buck	2.7	5.5	0.8/1	0.75	1.975	Adj	3	94	Yes	MLP 3x3; WL-CSP 1.46x2.23, 12 Bump
FAN5365	Sync Buck	2.3	5.5	0.8/1	0.75	1.975	Adj	6	91	—	WL-CSP, 1.29 x 1.27, 9 Bump
FAN2001/2	Sync Buck	2.5	5.5	1	0.8	0.75 * V _{IN}	Adj	1.3	95	—	MLP 3x3
FAN8060	Sync Buck	2.5	5.5	1	1.2	5.5	Adj	1.2	95	Yes	MLP 3x3
FAN2011/2	Sync Buck	4.5	5.5	1.5	0.8	0.75 * V _{IN}	Adj	1.3	95	—	MLP 3x3
FAN2013B	Sync Buck	4.5	5.5	2	0.8	0.75 * V _{IN}	Adj	1.2	95	—	MLP 3x3
FAN5353	Sync Buck	2.7	5.5	3	0.8	3.3	Adj	3	95	Yes	MLP 3x3.5
FAN8301	Non Sync	4.75	16	2	0.6	14	Adj	0.37	90	—	SO-8
FAN8303	Non Sync	4.75	23	2	0.6	14	Adj	0.37	90	—	SO-8

TinyBuck™ DC-DC Buck Regulators

Product Number	Power Input		Output Current (A)	PWM V _{OUT}		Voltage Supply (V)	Frequency (KHz)	Efficiency (%)	External Sync	Package
	Min. (V)	Max. (V)		Min. (V)	Max. (V)					
FAN2103	3	24	3	0.8	90% of V _{IN}	Adj	600	95	—	MLP 5x6
FAN2106	3	24	6	0.8	90% of V _{IN}	Adj	600	95	—	MLP 5x6
FAN21SV04	6.5	24	4	0.8	90% of V _{IN}	Adj	600	95	Yes	MLP 5x6
FAN21SV06	6.5	24	6	0.8	90% of V _{IN}	Adj	600	95	Yes	MLP 5x6
FAN2108	3	24	8	0.8	90% of V _{IN}	Adj	600	95	—	MLP 5x6
FAN2110	3	24	10	0.8	90% of V _{IN}	Adj	600	95	—	MLP 5x6