

SELECTION GUIDE

Order code	Input Voltage (V)	Output Voltage (V)	Output Current max(MA)	Capacitive load,max (μF)	Efficiency (%)
2B0503XES	4.5-5.5	3.3	600	470	64
2B0505XES	4.5-5.5	5	400	470	66
2B0507XES	4.5-5.5	7.2	278	470	64
2B0509XES	4.5-5.5	9	222	470	66
2B0512XES	4.5-5.5	12	167	470	70
2B0515XES	4.5-5.5	15	134	470	70
2B0518XES	4.5-5.5	18	111	470	67
2B0524XES	4.5-5.5	24	83	470	68
2B1203XES	10.8-13.2	3.3	600	470	64
2B1205XES	10.8-13.2	5	400	470	66
2B1207XES	10.8-13.2	7.2	278	470	63
2B1209XES	10.8-13.2	9	222	470	66
2B1212XES	10.8-13.2	12	167	470	70
2B1215XES	10.8-13.2	15	134	470	70
2B1218XES	10.8-13.2	18	111	470	66
2B1224XES	10.8-13.2	24	83	470	68
2B2403XES	21.6-26.4	3.3			

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Order code	Input Voltage (V)	Output Voltage (V)	Output Current max(MA)	Capacitive load,max (μF)	Efficiency (%)
H0512XES	4.5-5.5	12	167	470	70
H0515XES	4.5-5.5	15	134	470	70
H0518XES	4.5-5.5	18	111	470	67
H0524XES	4.5-5.5	24	83	470	68
H1203XES	10.8-13.2	3.3	600	470	53
H1205XES	10.8-13.2	5	400	470	66
H1207XES	10.8-13.2	7.2	278	470	63
H1209XES	10.8-13.2	9	222	470	66
H1212XES	10.8-13.2	12	167	470	70
H1215XES	10.8-13.2	15	134	470	70
H1218XES	10.8-13.2	18	111	470	66
H1224XES	10.8-13.2	24	83	470	68
H2403XES	21.6-26.4	3.3	600	470	54
H2405XES	21.6-26.4	5	400	470	64
H2407XES	21.6-26.4	7.2	278	470	63
H2409XES	21.6-26.4	9	222	470	64
H2412XES	21.6-26.4	12	167	470	68
H2415XES	21.6-26.4	15	134	470	68
H2418XES	21.6-26.4	18	111	470	68
H2424XES	21.6-26.4	24	83	470	70

Input Specifications				
Parameters	Nominal	Typical	Maximum	Units
Voltage range	5	4.5-5.5		VDC
	12	10.8-13.2		
	24	21.6-25.4		
Filter	Capacitor			
Turn on Transient process time			100	ms
Start up time		300		ms
Absolute Maximum Rating	5 Vin	0-7		VDC
	12 Vin	0-15		
	24 Vin	0-28		
Peak Input Voltage time		100		ms

Isolation Specifications				
Parameters	Conditions	Typical	Rated	Units
Tested I/O voltage	3 sec		1000, 3000 or 6000	VDC
Resistance		> 1000		MOhm
Capacitance		60		pF

Output Specifications				
Parameters	Conditions	Typical	Maximum	Units
Voltage accuracy		±2		%
Short Circuit protection	Continuous			
Short Circuit restart	Auto-recovery			
Line voltage regulation (Single)		±0.5		%
Load voltage regulation (Single)	Load 0 – 100%	±0.5		%
Load voltage regulation (Single)	Load 0 – 100%	±1.5		%
3.3V output model				
Temperature coefficient		±0.02		%/°C
Ripple & Noise	At 20MHz Bandwidth	75		mV p-p
Rising time		150		ms

