

Calculated																					
User Entry																					
Power (W)	Full Load Current (A)	Vin (V)	Vout Target (V)	Vout Ripple (mV)	Vref setting	RFB1 (Kohm)		RFB2 (Kohm)	Max/Min (V)		SW Freq	Inductor Value				Inductor Ripple Current			Output Capacitor		Vout Transient
				0.10%		Calc	Actual				1E+06	Max	Min	Selected	Isat	Min	Max	Actual	Min	Selected	3.00
18.00	5.33	12	3.375	3.38	0.6	46.25		10	3.38	Min Setting		4.55E-06	1.52E-06	3.30E-06	6.13E+00	5.33E-01	1.60E+00	7.35E-01	2.72E-08	6.60E-04	0.0133
18.00	4.00	12	4.5	4.50	0.8	46.25	46.5	10	4.52			7.03E-06	2.34E-06	3.30E-06	4.60E+00	4.00E-01	1.20E+00	8.54E-01	2.37E-08	6.60E-04	0.0100
18.00	3.56	12	5.063	5.06	0.9	46.25		10	5.06	Max Setting		8.23E-06	2.74E-06	3.30E-06	4.09E+00	3.56E-01	1.07E+00	8.87E-01	2.19E-08	6.60E-04	0.0089
18.00	5.33	12	3.375	3.38	0.6	46.25		10	3.38	Min Setting		4.55E-06	1.52E-06	3.30E-06	6.13E+00	5.33E-01	1.60E+00	7.35E-01	2.72E-08	6.60E-04	0.0133
18.00	4.00	12	4.5	4.50	0.8	46.25	46.5	10	4.52			7.03E-06	2.34E-06	3.30E-06	4.60E+00	4.00E-01	1.20E+00	8.54E-01	2.37E-08	6.60E-04	0.0100
18.00	1.71	12	10.519	10.52	1.87	46.25		10	10.52	Max Setting		7.59E-06	2.53E-06	3.30E-06	1.97E+00	1.71E-01	5.13E-01	3.93E-01	4.68E-09	6.60E-04	0.0043
6.60	2.67	12	2.475	2.48	0.6	31.25		10	2.48	Min Setting		7.37E-06	2.46E-06	1.00E-05	3.07E+00	2.67E-01	8.00E-01	1.96E-01	9.92E-09	5.00E-05	0.7273
6.60	2.00	12	3.3	3.30	0.8	31.25	31	10	3.28			1.20E-05	3.99E-06	2.00E-05	2.30E+00	2.00E-01	6.00E-01	1.19E-01	4.53E-09	5.00E-05	1.0909
6.60	0.86	12	7.714	7.71	1.87	31.25		10	7.71	Max Setting		3.22E-05	1.07E-05	3.30E-05	9.84E-01	8.56E-02	2.57E-01	8.35E-02	1.35E-09	5.00E-05	0.7701
2.40	2.67	12	0.900	0.90	0.6	5		10	0.90	Min Setting		3.12E-06	1.04E-06	3.30E-06	3.07E+00	2.67E-01	8.00E-01	2.52E-01	3.50E-08	5.00E-05	0.6600
2.40	2.00	12	1.2	1.20	0.8	5.00	5.09	10	1.21			5.40E-06	1.80E-06	2.20E-06	2.30E+00	2.00E-01	6.00E-01	4.94E-01	5.11E-08	5.00E-05	0.3300
2.40	0.86	12	2.805	2.81	1.87	5		10	2.81	Max Setting		2.51E-05	8.37E-06	2.20E-06	9.84E-01	8.56E-02	2.57E-01	9.77E-01	4.35E-08	5.00E-05	0.1412