

4. OUTPUT SPECIFICATIONS

All specifications are typical at nominal input, full load at 25°C unless otherwise stated.

PARAMETER	DESCRIPTION	MIN	TYP	MAX	UNITS
Output Voltage Set Point	Vin=12 V, Io=50% full load	3.234	3.300	3.366	V
Load Regulation		-	±10	±20	mV
Line Regulation		-	±10	±20	mV
Regulation Over Temperature	-40 °C to +85 °C	-	30	50	mV
Ripple and Noise (pk-pk)	Vout=3.3V	-	60	100	mV
Ripple and Noise (rms)		-	25	50	mV
Output Current Range		0	-	6	A
Output DC Current Limit	Hiccup mode	7	10	13	A
Turn on Time(from Vin)		-	6	10	ms
Turn on Time(from Enable)		-	1	-	ms
Output capacitance		220	-	1200	uF
Transient Response					
ΔV 50%~100% of Max Load		-	100	200	mV
Settling Time	di/dt = 0.5 A/us; Vin = 12 V; Vout=3.3V; with a 220 uF Oscan capacitor at the output	-	300	500	us
ΔV 100%~50% of Max Load		-	100	200	mV
Settling Time		-	300	500	us

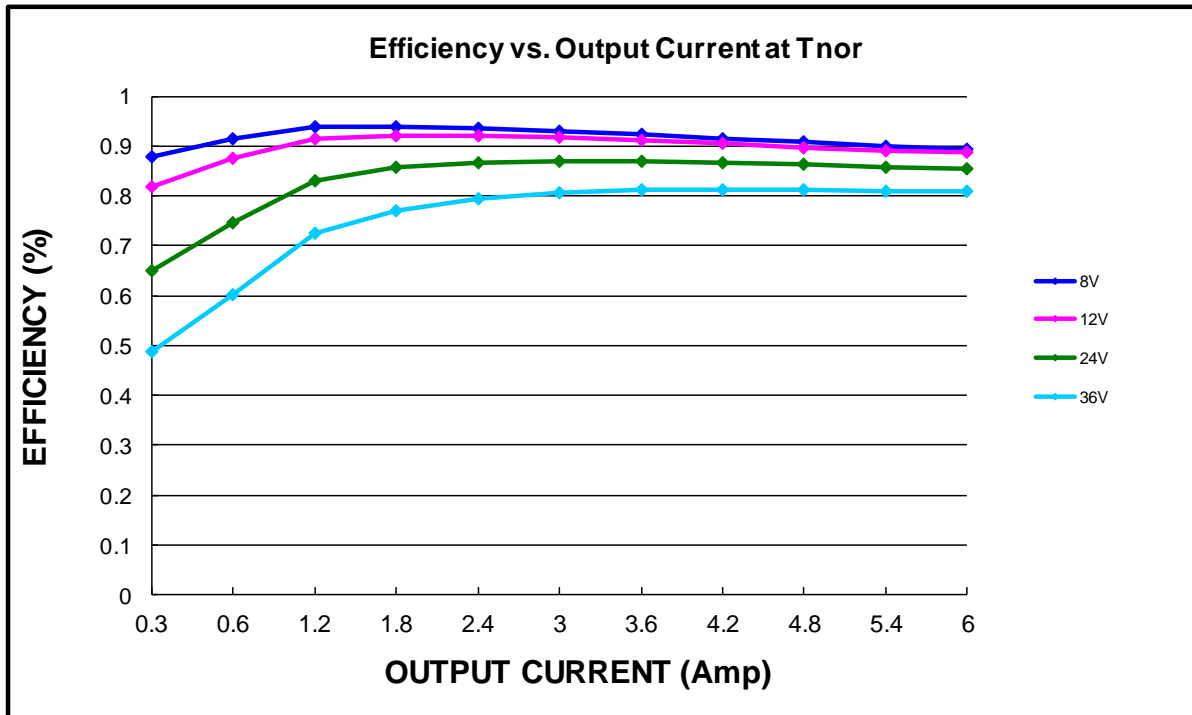
5. GENERAL SPECIFICATION

PARAMETER	DESCRIPTION	MIN	TYP	MAX	UNITS
Efficiency	Vin=12V Vo=3.3V full load	87	89	-	%
Switching Frequency		-	300	-	KHz
Output Trim Range		3.3	-	5	V
Weight		-	4.3	-	g
MTBF		-	426,574,0	-	hours
Dimensions					
Inches (L × W × H)			0.885 x 0.512 x 0.320		Inches
Millimeters (L × W × H)			22.48 x 13.00 x 8.13		mm

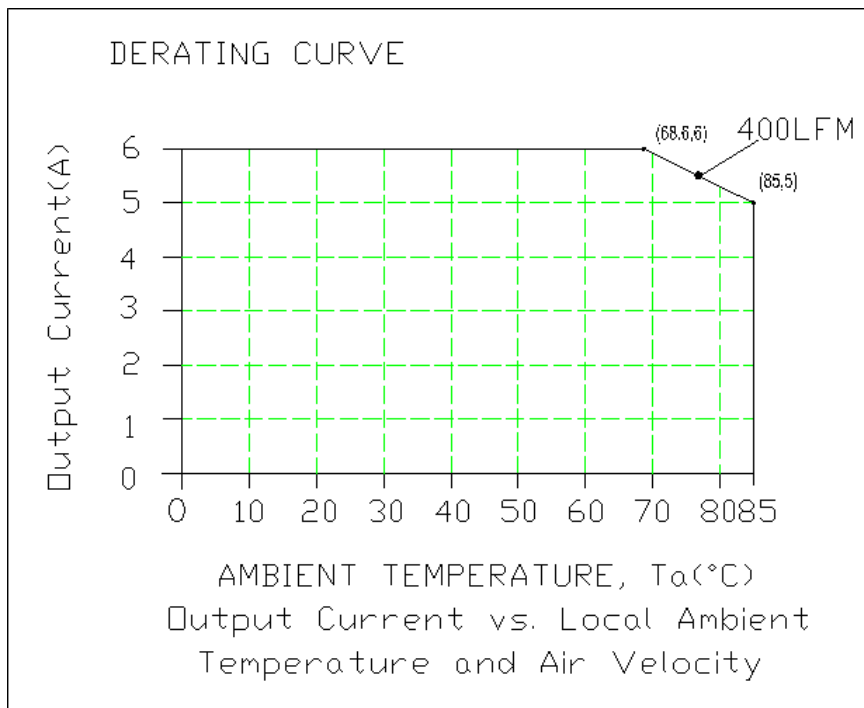
6. CONTROL/SUPERVISORY SPECIFICATIONS

PARAMETER	DESCRIPTION	MIN	TYP	MAX	UNITS
Enable					
Signal Low (Unit Off)	ENABLE pin open, unit on	-0.3	-	1	V
Signal High(Unit On)		2.8	-	12	V
Sourcing current		-	-	10	uA

7. EFFICIENCY DATA



8. THERMAL DERATING CURVE



$V_{in}=12V, V_o=3.3V$