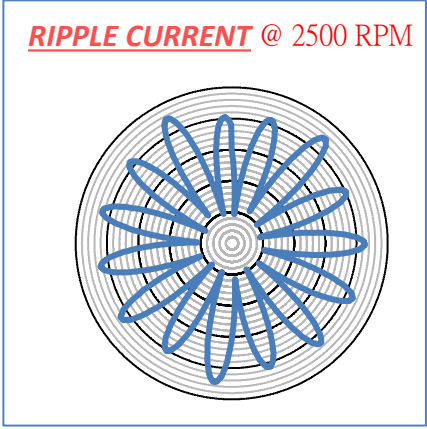
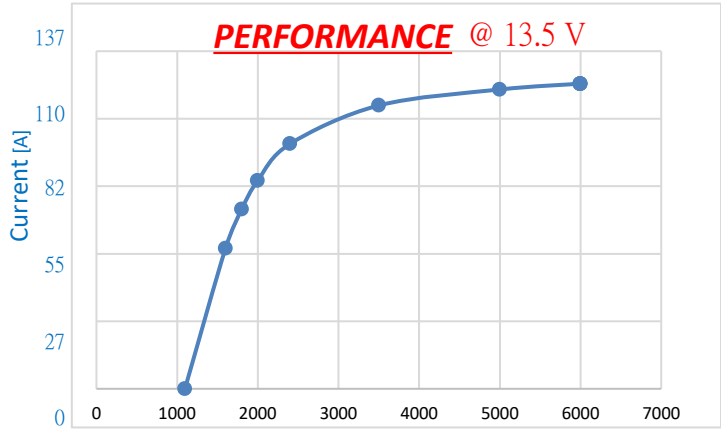


PERFORMANCE TEST REPORT

Tester ID		Test Name	Standard_Sweep_Test				PASS
Part No	IN450 (12V/100A/N)		Alternator Family		Order No		
Serial No	19.218.0036		Regulator Type	Internal	Lot No		
Test Date	06/08/2019	Time	06:41	Temp	28.4°C	Shift	B User T

Parameter	LCL	Value	UCL	LIN	LCL	Value	UCL
Voltage Setpoint [V]	14.04	14.60	15.04	Vset (Control)[V]	13.8	---	14.8
Voltage Set Point external [V]	14.04	14.60	15.04	Vset (Reduced)[V]	12.3	---	13.3
Turn ON Speed [RPM]	0	1179	1500	PWM (Full Load) [%]	90	---	100
Cut In Speed [RPM]	0	1097	1200	PWM @ Stop Read[	10	---	30
Ripple Current [A]	0	18.7	28.5	PWM (Stop) [%]	0	---	11
Field Current [A]	3	3.29	5	Electrical Fault (Operation)			---
Leakage [mA]	0	0.41	2.51	Mechancial Fault (Operation)			---
Stator Voltage [V]	6	---	7	Mech.nical Fault (Stop)			---
Stator Imbalance [%]	0	---	5.8	Over Temperature Fault			---
Tacho Frequency [Hz]	240	---	260	Regulator Manufacturer Read			---
LRC Delay [sec]	4	---	6	Regulator Model Read			---
Soft Start Freq. Duty Cycle [%]	0	---	10	Vacuum test in [mBar]			
Lamp Status (Operation)		ON	ON	Vac. at 3000 RPM	0	---	0
Lamp Status (Stop)		ON	ON	Vac. at 6000 RPM	0	---	0
LampDriver V drop [V]	0.09	0.18	0.32	Max Vacuum OUT	0	---	0
Rectifier Vdrop (+ Side) [V]	0	---	2	Vac Leak for 10s	0	---	0
Rectifier Vdrop (- Side) [V]	0	---	2				
Feedback Voltage High Level	10	---	16				
Feedback Voltage Low Level	0	---	1				
Feedback PWM & Full Load [%]	90	---	100				
Feedback PWM & Stop [%]	20	---	35				
Feedback PWM & Operation [%]	40	---	60				
Feedback Frequency[Hz]	200	---	500				



TEST DATA

Speed [RPM]	1600	1800	2000	2400	3500	5000	6000			
Load Current [A]	57.0	72.8	84.5	99.4	115.0	121.5	123.8			
Load Current [A] LCL	45.0	57.0	67.0	79.0	92.0	98.0	100.0			
Load Current [A] UCL	70.0	88.0	103.0	122.0	143.0	152.0	155.0			

ERROR CODES
