

PARAMETERS AND CONDITIONS	SPEC	Min.	Min. Type		SYMBOL S
Operating Temperature	Operating Temperature	-30		125	Ĉ
Switch OFF Leakage Current	Ps < 800rpm , LIN = Low , B+= 12.0V 22				mA
	Default Mode	14.1	14.3	14.5	V
Regulator Set Point	Defined by external ECU/LIN command.	10.6		16.0	V
Output Saturation Voltage	IF= 5A			0.8	V
Field Current Limit	F shorted to B+			12	А
Field Control Frequency	10% < duty cycle < 95%	175	200	225	Hz
Error Display High Temp. Protection Threshold on board(substrate)	Field output OFF	160			ĉ
Self Drive Initiation rpm Threshold	Safe mode Frequency given according to the programmed number of generator poles	2550	3000	3450	rpm

Safety Characteristics:

 Over voltage : Vs = 24 V , 60 sec. from the ignition SW. is turned ON/OFF without failure.
Short Circuit Protection : The regulator shall stand short circuit on Field without failure and return normal operation within 2 seconds once short condition is removed.

- ➤ Repetitive Thermal Shock : The Regulator shall be designed to withstand 500 cycles of -30°C to 125°C in 20 minutes and 125°C to -30°C in 20 minutes.
- > High Temperature Test : The regulator shall be designed to operate reliably at the load from 80% to 100% of the alternator rated current and at 6000 rpm (shaft speed) for a minimum of 10 hours at 125°C.

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MOBILETRON ELECTRONICS CO., LTD