

PMP40228 Test Results

1. ELECTRICAL CHARACTERISTICS

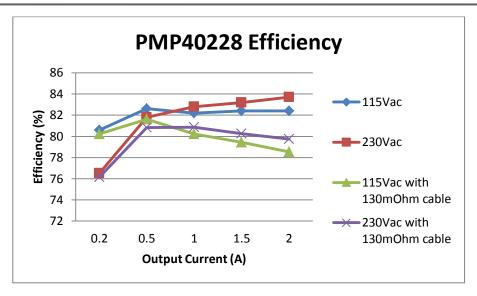
1.1 STANDBY POWER

Vin (Vac)	Input Power (mW)
90	34.5
115	35.9
132	37.1
180	41.6
230	56.5
265	60.8

1.2 EFFICIENCY DATA

Vin (Vac)	Pin (W)	lo (A)	Vo (V)	Board end Eff (%)	Board end Ave_Eff (%)	Ave_Eff with 130mOhm cable (%)	COC V5 Tier 2 2016 standard eff (%)
115V/60Hz	0.037	0	5.219	0			
	1.291	0.199	5.228	80.6	80.60	80.24	70.0
	3.193	0.499	5.289	82.6		79.95	79.0
	6.528	0.998	5.376	82.2	82.39		
	9.946	1.499	5.465	82.4			
	13.458	1.998	5.549	82.4			
230V/50Hz	0.059	0	5.224	0			
	1.362	0.199	5.236	76.5	76.50	76.15	70.0
	3.227	0.499	5.294	81.8		80.42	79.0
	6.485	0.998	5.382	82.8	82.89		
	9.859	1.499	5.474	83.2			
	13.268	1.998	5.555	83.7			





1.3 Turn on delay time

Input voltage	Output current	Turn on delay time	
90Vac 47Hz	0A	1.58	
90Vac 47Hz	2A	1.5\$	

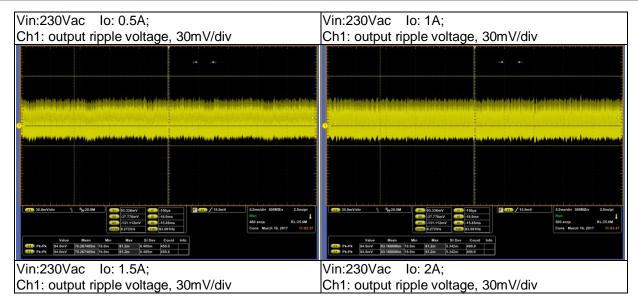
1.4 RIPPLE VOLTAGE
Test with 130m Ohm cable and 10u E-capacitor

	85V	115V	230V	265V
lo(A)	Ripple & Noise (mV)	Ripple & Noise (mV)	Ripple & Noise (mV)	Ripple & Noise (mV)
2.0	88.8	85.2	84	85.2
1.9	80.4	84	84	88.8
1.8	90	81.6	85.2	82.8
1.7	88.8	81.6	86.4	82.8
1.6	85.2	86.4	86.4	86.4
1.5	82.8	86.4	84	84
1.4	81.6	76.8	80.4	82.8
1.3	80.4	82.8	81.6	81.6
1.2	78	79.2	78	79.2
1.1	76.8	79.2	80.4	80.4
1.0	78	78	78	82.8
0.9	79.2	78	84	84
0.8	74.4	76.8	79.2	76.8
0.7	79.2	70.8	75.6	73.2
0.6	63.6	64.8	70.8	58.8

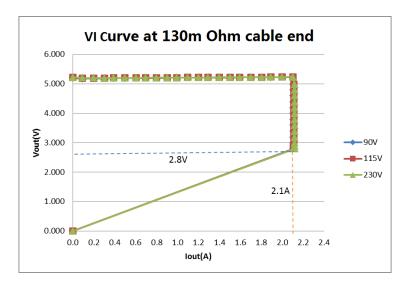


0.5	58.8	58.8	66	64.8	
0.4	57.6	55.2	60	60	
0.3	48	55.2	54	51.6	
0.2	43.2	40.8	43.2	44.4	
0.1	30	28.8	32.4	36	
0	19.2	19.2	19.2	22.8	
		-	a lateral burning		
Value	10 10 10 10 10 10 10 10	15. SmrV Sometic Scientific 2. Georgia Plant Pla	\$ \$ \$\frac{1}{4}\text{20 M} \rightarrow \frac{1}{5} \$ \$ \$\frac{1}{4}\text{20 M} \rightarrow \frac{1}{5} \$ \$\frac{1}{3}\text{20 M} \rightarrow \frac{1}{5} \$\frac{1}{3}\text{20 M} \rightarrow \frac{1}{5} \$\frac{1}{3}\text{20 M} \rightarrow \frac{1}{5}\text{20 M}	25 Collar St Dev Count Info	
	ac Io: 0.5A;		Vin:115Vac lo: 1		
Ch1: outpu	ıt ripple voltage, 30m	V/div	Ch1: output ripple	voltage, 30mV/div	
Alteriation at confit		edinimimini kanali ki ki ki ki kanali j			
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Value	10 12 12 12 12 12 12 12	Service Soundies 2 design	\$ \$1,000 Min	1.12mV	mascin/ 500MS/s 2.6ms/pt 100
Vin:115Va	,		Vin:115Vac lo: 2	,	
Ch1: outpu	ut ripple voltage, 30m	V/div -	Ch1: output ripple	voltage, 30mV/div;	
	-37.776mV (3) -16.0ms	Sometive SOMMS/4 2 Smalpt	\$ \$\mu_{\text{\$\pi_{\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\pi_{\text{\$\tiny{\$\pi_{\text{\$\pi_{\pi_{\pi_{\text{\$\pi_{\}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	776mV (2) -16.0ms Ru	imular somitic Zampt
GI Pk-Pk 66.0mV 59.	131 t120 120 t120	389 acqs RL25 MM Cons March 16, 2017 11:01:18	Value Mean Min A (1) PhPh. 76.0mV 72.533345m 16.0m 91.20 (1) PhPh. 76.0mV 72.533345m 16.0m 91.20	2V/s 0000 63.991Hz Count Info n 13.12m 419.0	0 acqs RL-25.0M ins March 16, 2017 11-02:08





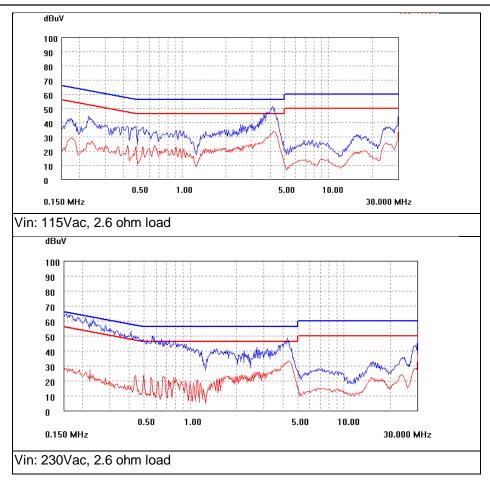
1.5 V-I CURVE



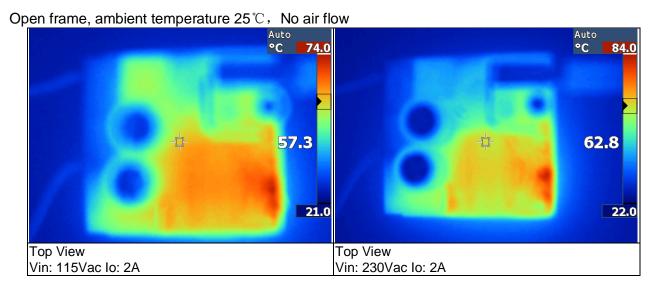
2. EMI Test

Conduction EMI

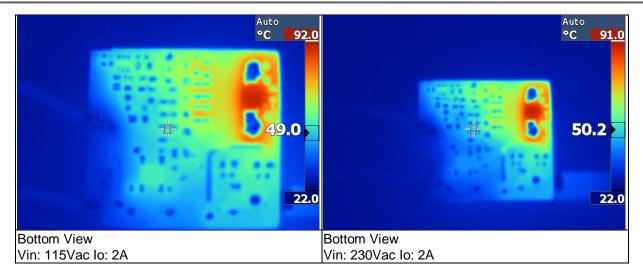




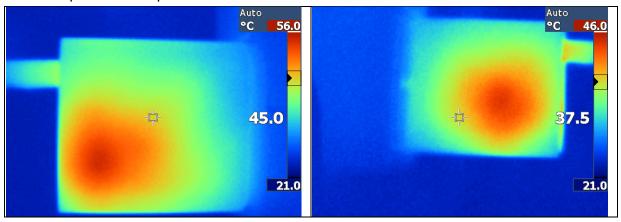
3. Thermal Test







115Vac input Case temperature



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