

PMP40228 Test Results

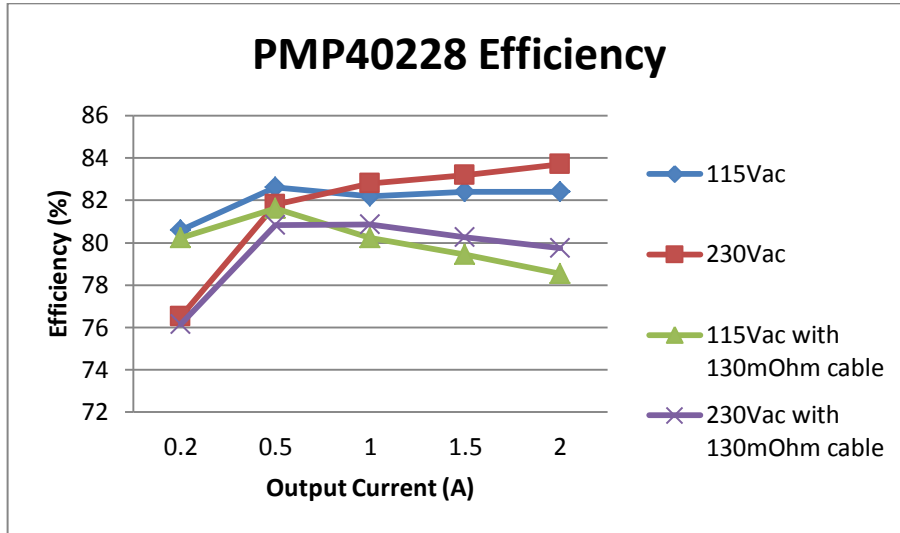
1. ELECTRICAL CHARACTERISTICS

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)	Io (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	82.39	79.95	79.0
	6.528	0.998	5.376	82.2			
	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	82.89	80.42	79.0
	6.485	0.998	5.382	82.8			
	9.859	1.499	5.474	83.2			
	13.268	1.998	5.555	83.7			



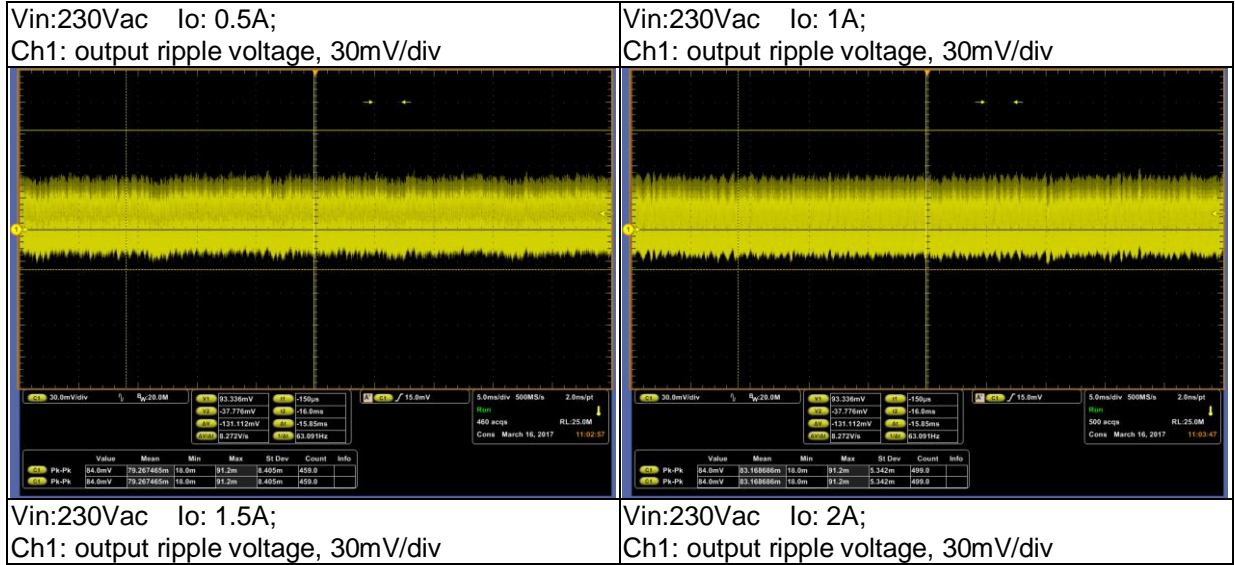
1.3 Turn on delay time

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

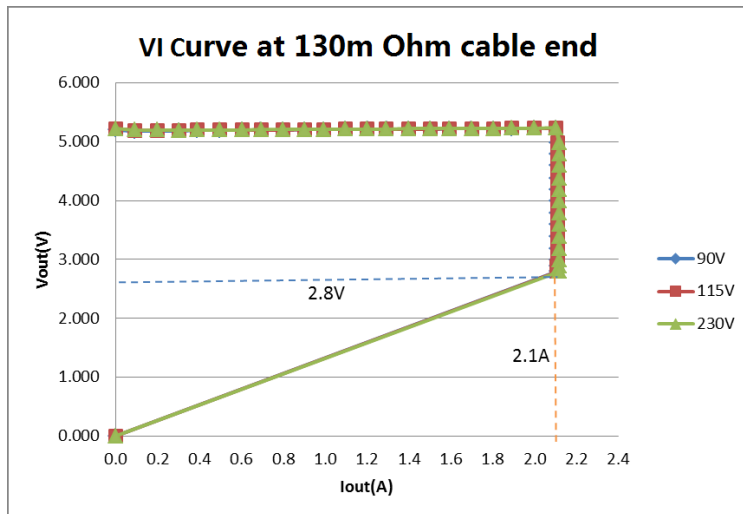
1.4 RIPPLE VOLTAGE

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

	85V	115V	230V	265V
Io(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

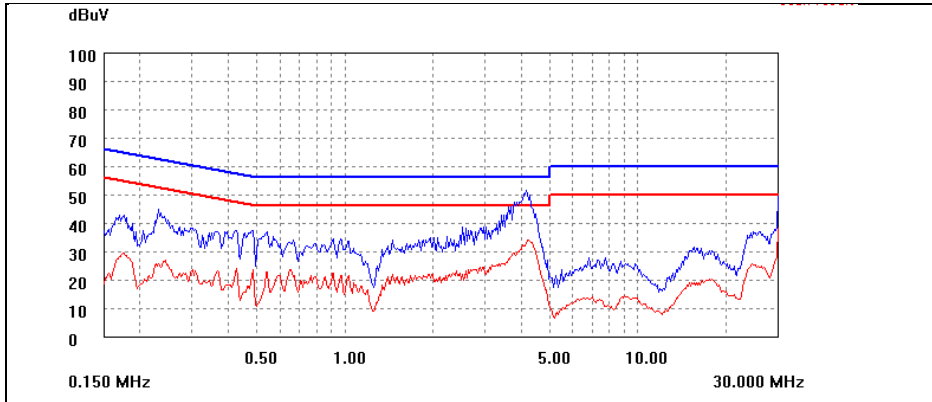


1.5 V-I CURVE

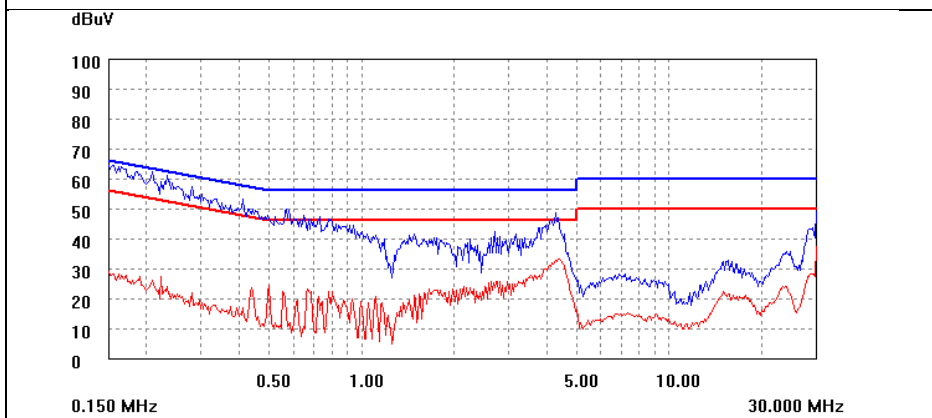


2. EMI Test

Conduction EMI



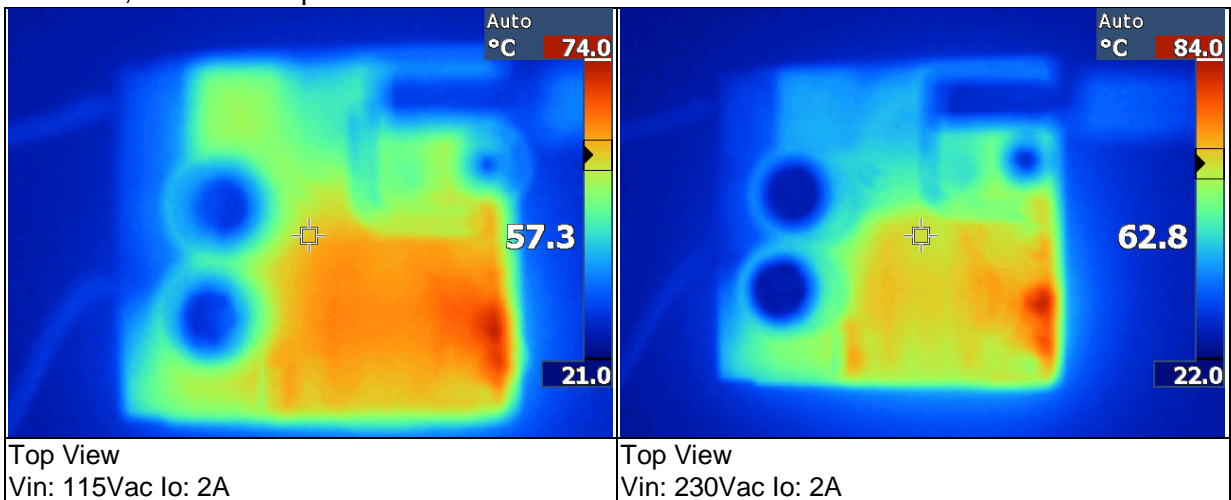
Vin: 115Vac, 2.6 ohm load

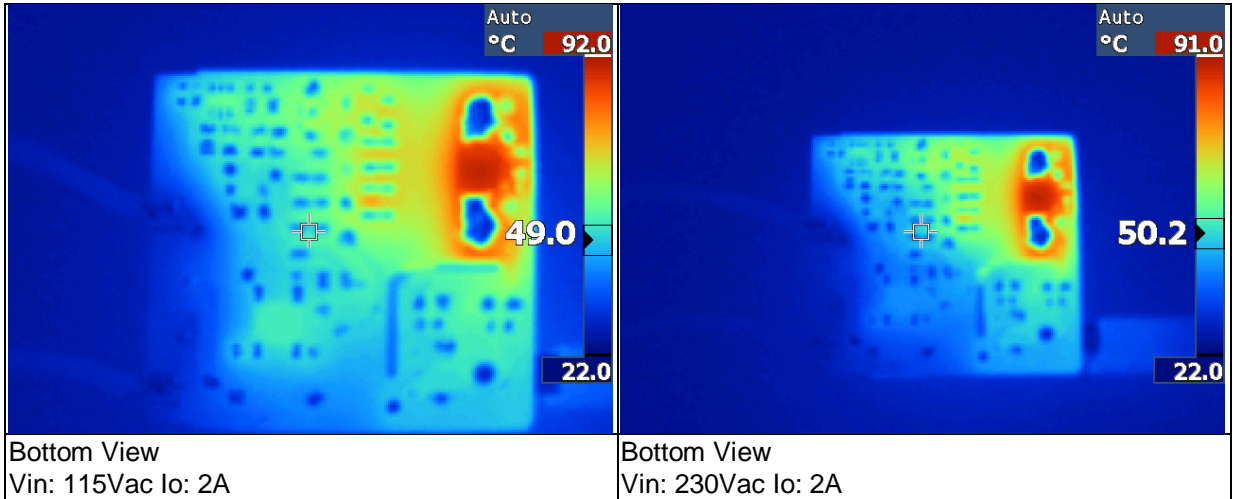


Vin: 230Vac, 2.6 ohm load

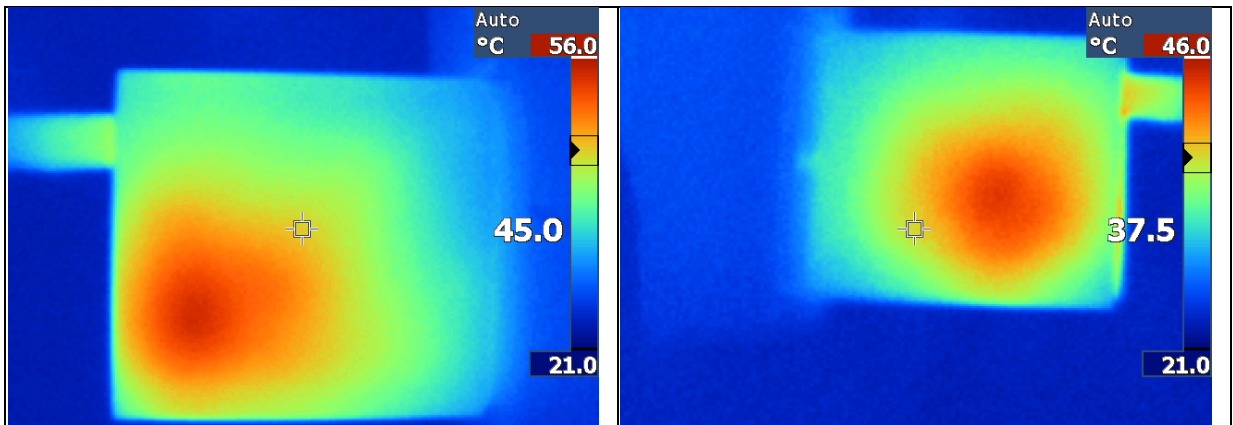
3. Thermal Test

Open frame, ambient temperature 25°C, No air flow





115Vac input Case temperature



IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (<https://www.ti.com/legal/termsofsale.html>) or other applicable terms available either on [ti.com](https://www.ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2021, Texas Instruments Incorporated