

PMP40286 Test Results

1. Efficiency

Test at board end

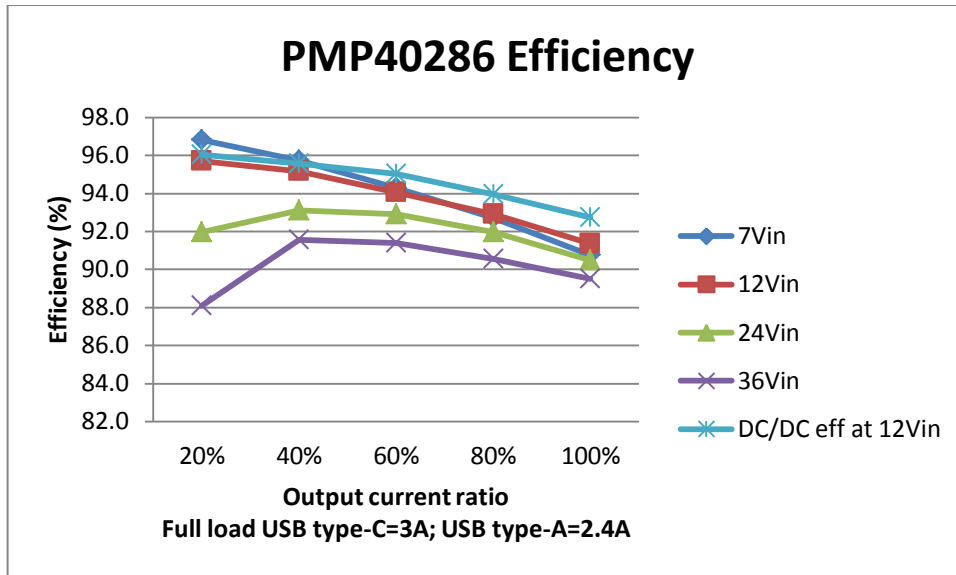
Vin(V)	Iin(mA)	Vbus_A(V)	Io_A(A)	Vbus_C(V)	Io_C(A)	Effi.(%)
7.04	0.803	5.088	0.476	5.090	0.600	96.8
6.97	1.661	5.137	0.957	5.144	1.200	95.7
6.95	2.553	5.188	1.437	5.195	1.785	94.3
7.01	3.472	5.235	1.918	5.249	2.385	92.7
6.91	4.540	5.279	2.399	5.296	2.985	90.8

Vin(V)	Iin(mA)	Vbus_A(V)	Io_A(A)	Vbus_C(V)	Io_C(A)	Effi.(%)
11.95	0.477	5.090	0.476	5.095	0.595	95.7
11.90	0.973	5.140	0.957	5.147	1.185	95.2
12.05	1.477	5.190	1.437	5.200	1.784	94.1
11.98	2.028	5.236	1.918	5.252	2.385	92.9
11.92	2.614	5.281	2.398	5.296	2.984	91.4

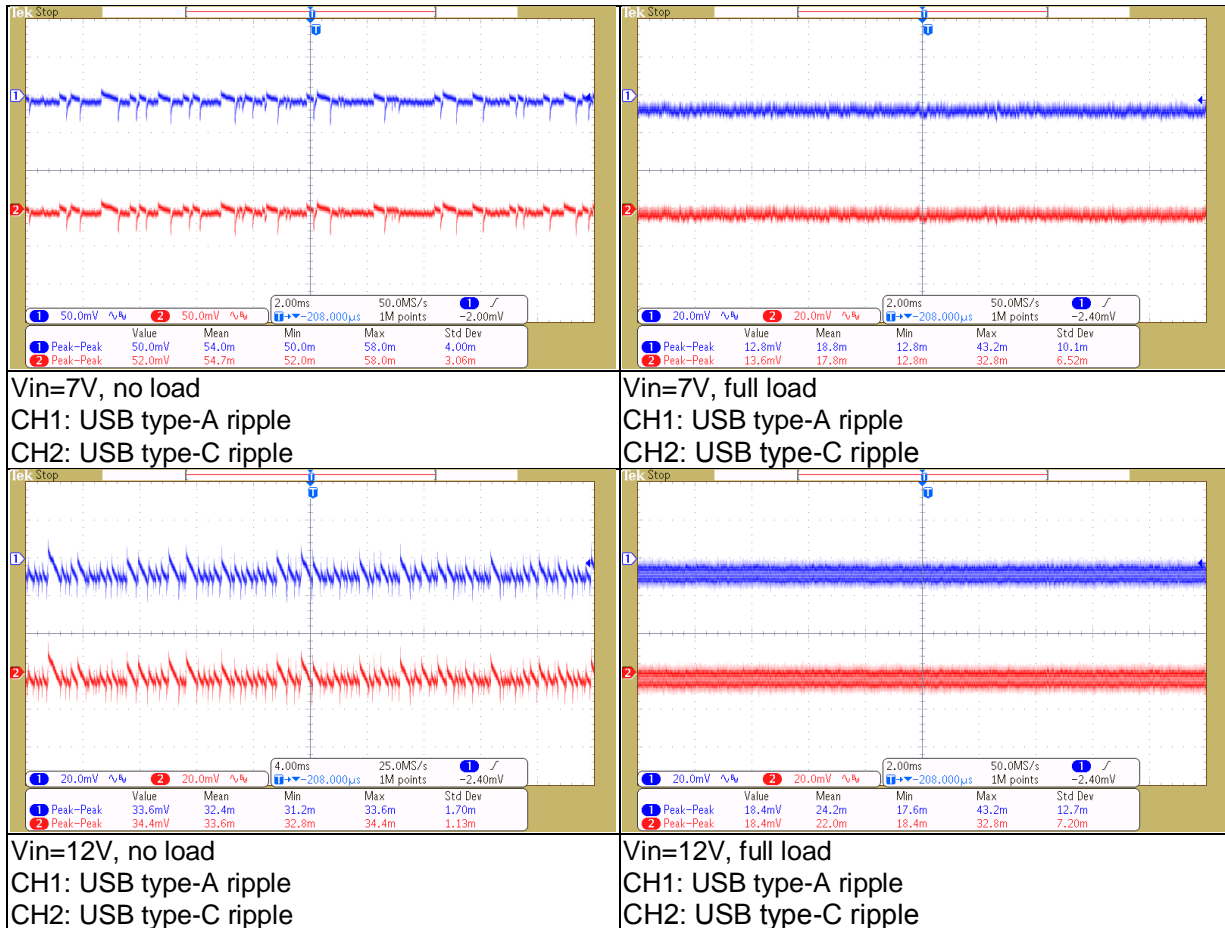
Vin(V)	Iin(mA)	Vbus_A(V)	Io_A(A)	Vbus_C(V)	Io_C(A)	Effi.(%)
24.09	0.244	5.090	0.476	5.091	0.585	92.0
24.06	0.495	5.137	0.957	5.144	1.200	93.1
24.04	0.749	5.188	1.437	5.195	1.786	92.9
24.00	1.022	5.234	1.918	5.248	2.385	92.0
23.97	1.312	5.273	2.399	5.293	2.986	90.5

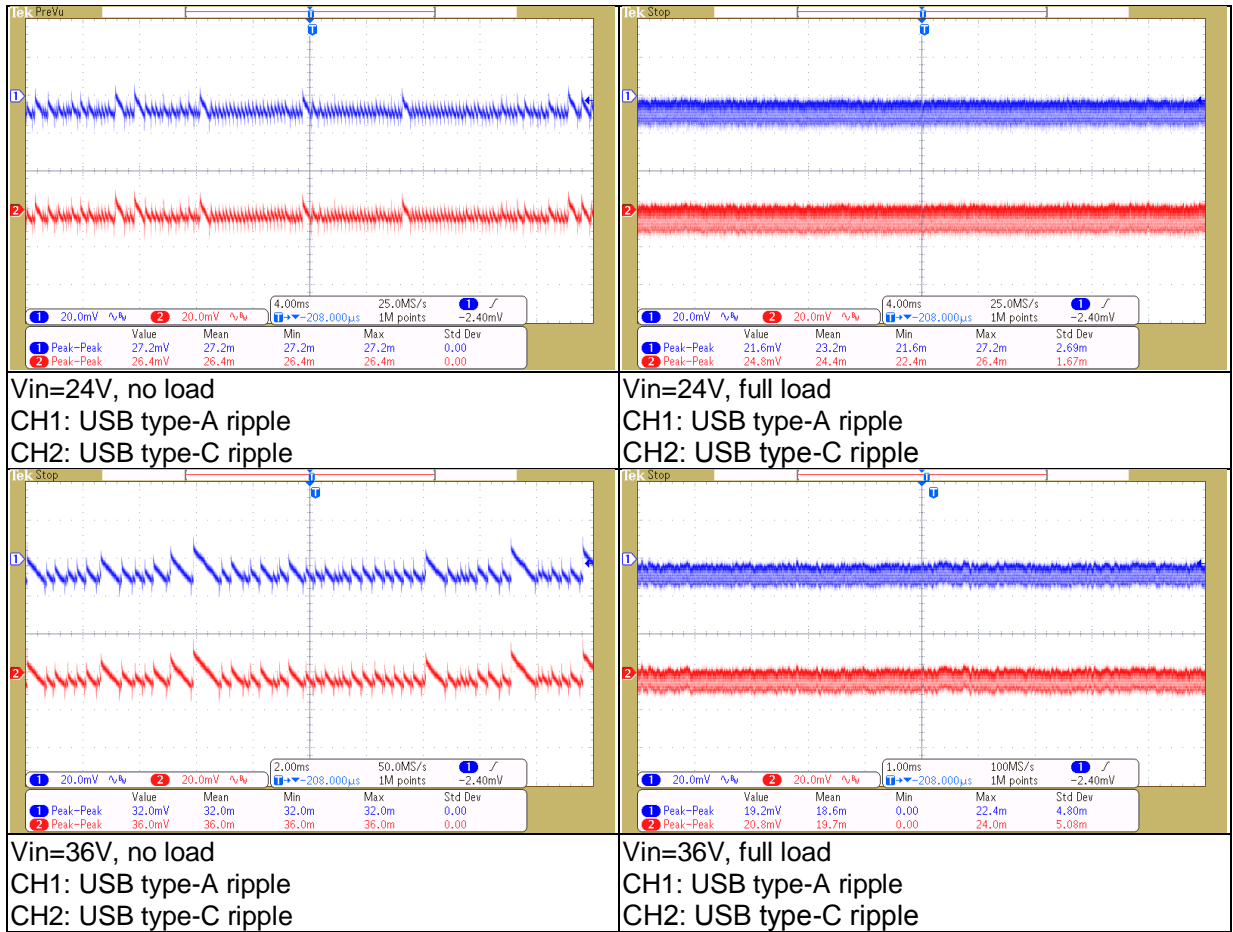
Vin(V)	Iin(mA)	Vbus_A(V)	Io_A(A)	Vbus_C(V)	Io_C(A)	Effi.(%)
35.93	0.171	5.088	0.476	5.090	0.585	88.1
35.91	0.335	5.135	0.957	5.141	1.185	91.6
35.88	0.510	5.182	1.437	5.195	1.786	91.4
35.86	0.694	5.232	1.918	5.245	2.383	90.6
35.83	0.887	5.275	2.399	5.290	2.985	89.5

Vin(V)	Iin(mA)	Vo(V)	Io_A(A)	Effi.(%)
11.98	0.473	5.035	1.081	96.0
11.96	0.951	5.033	2.160	95.6
11.94	1.437	5.033	3.240	95.0
11.99	1.929	5.030	4.320	94.0
11.97	2.445	5.027	5.398	92.7

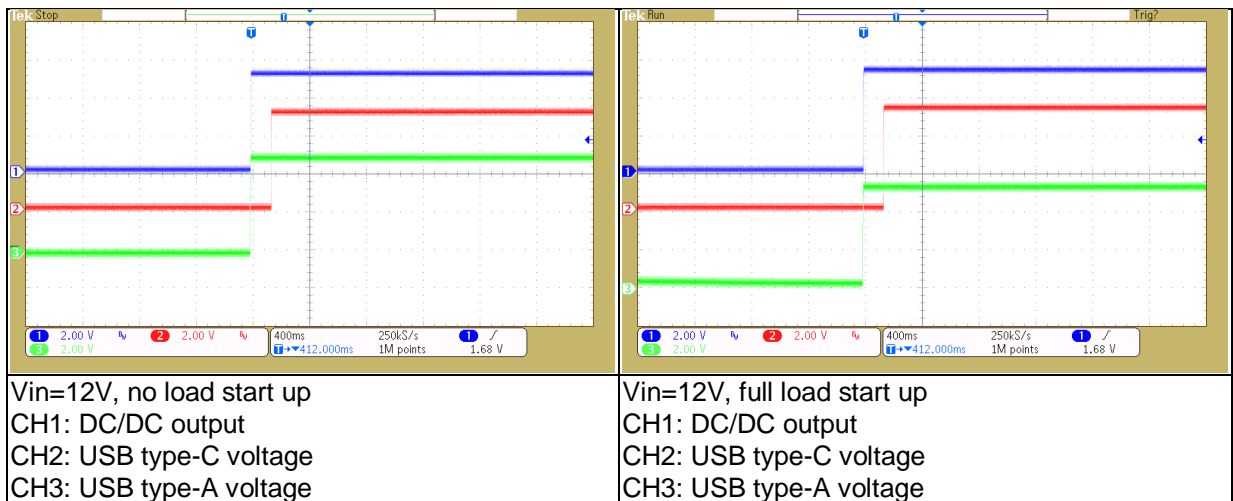


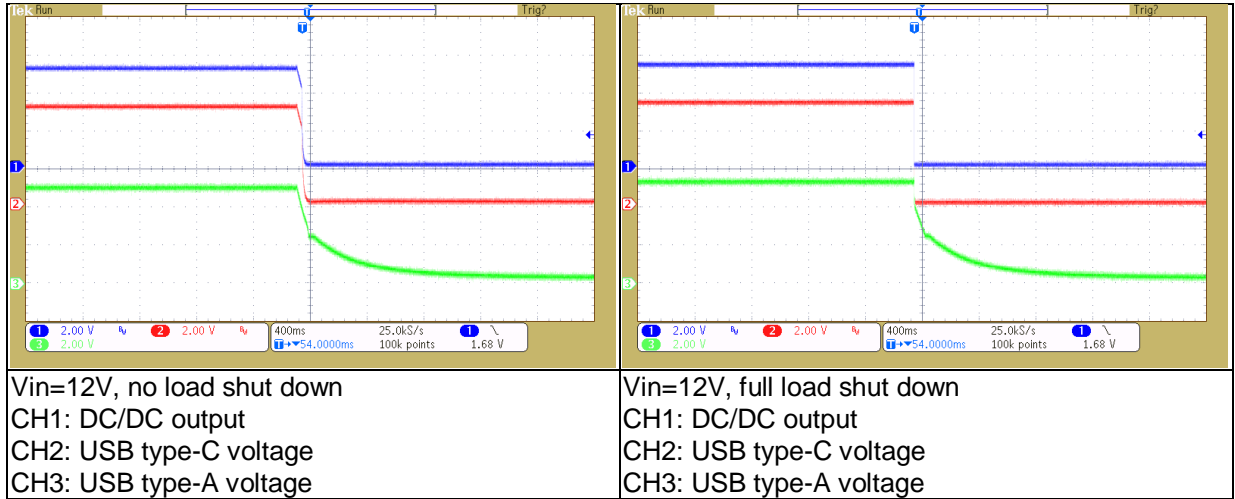
2. Ripple and noise



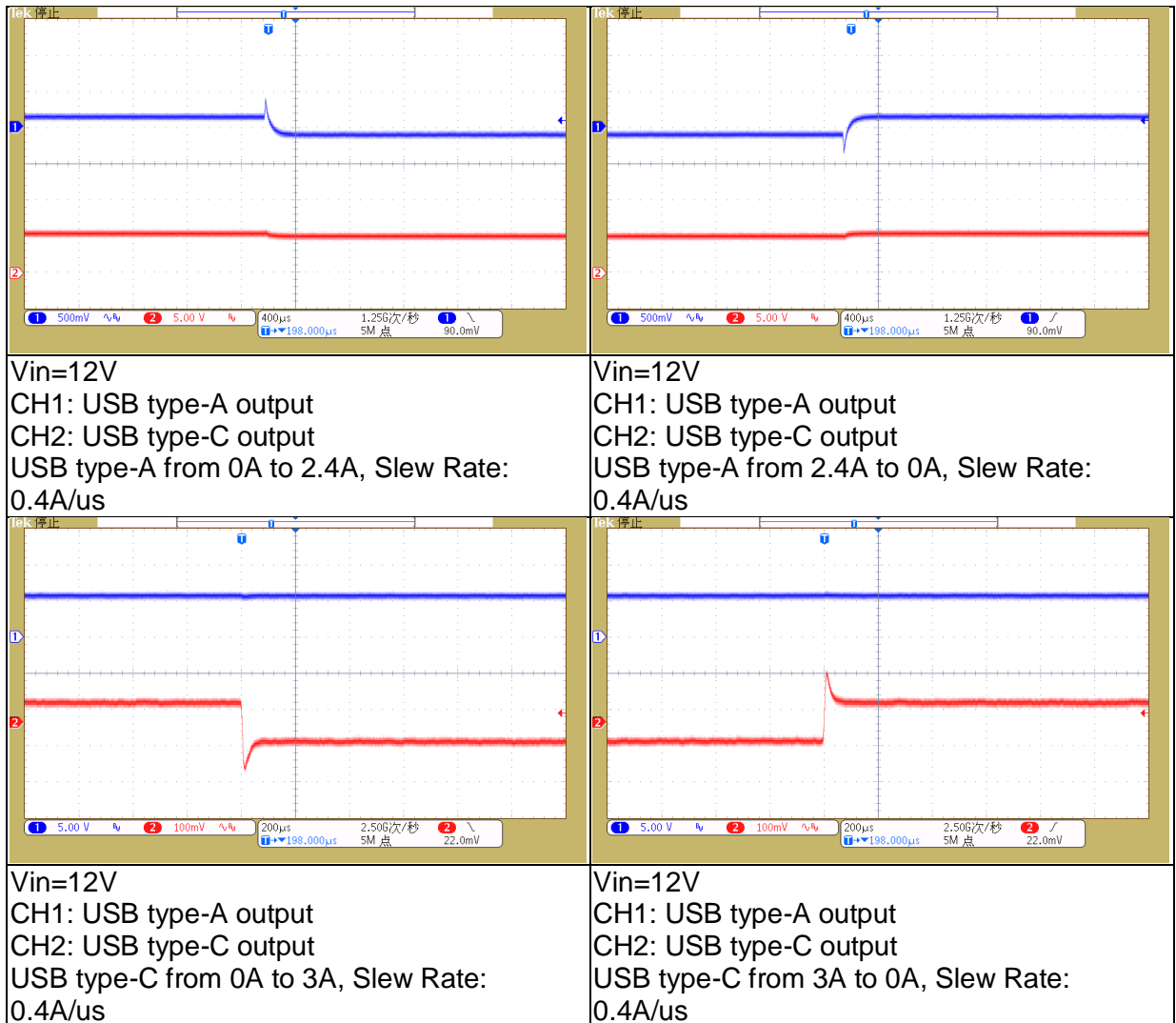


3. Start up and Shut down

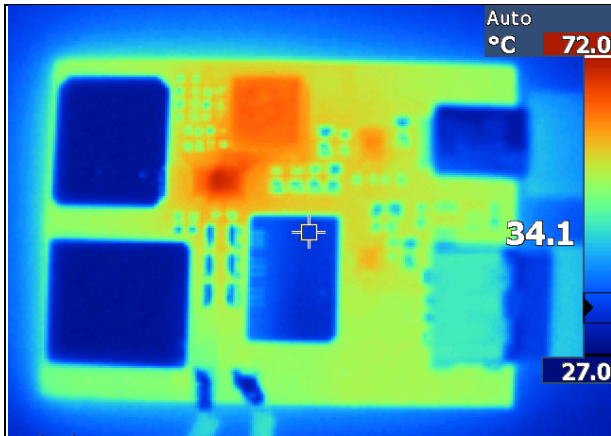




4. Load Transient



5. Thermal



Vin=12V
USB type-C=3A; USB type-A=2.4A

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