

PMP40285 Test Results

1. Efficiency

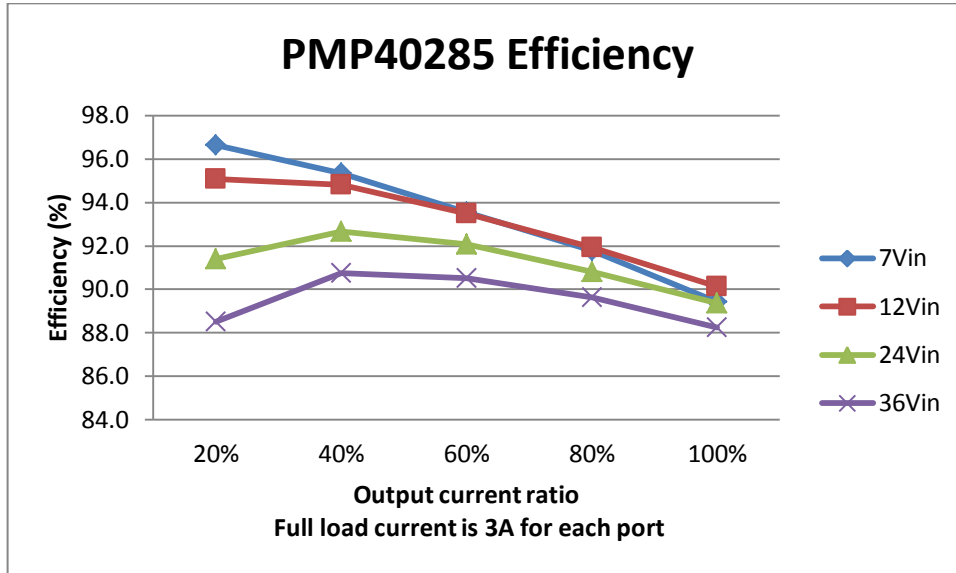
Test at board end

Vin(V)	Iin(mA)	Vbus1(V)	Io1(A)	Vbus2(V)	Io2(A)	Effi.(%)
7.01	0.907	5.106	0.603	5.109	0.600	96.6
6.96	1.840	5.086	1.200	5.094	1.199	95.3
7.01	2.779	5.064	1.801	5.063	1.798	93.5
6.96	3.790	5.039	2.401	5.047	2.401	91.8
7.01	4.796	5.008	3.000	5.008	3.001	89.4

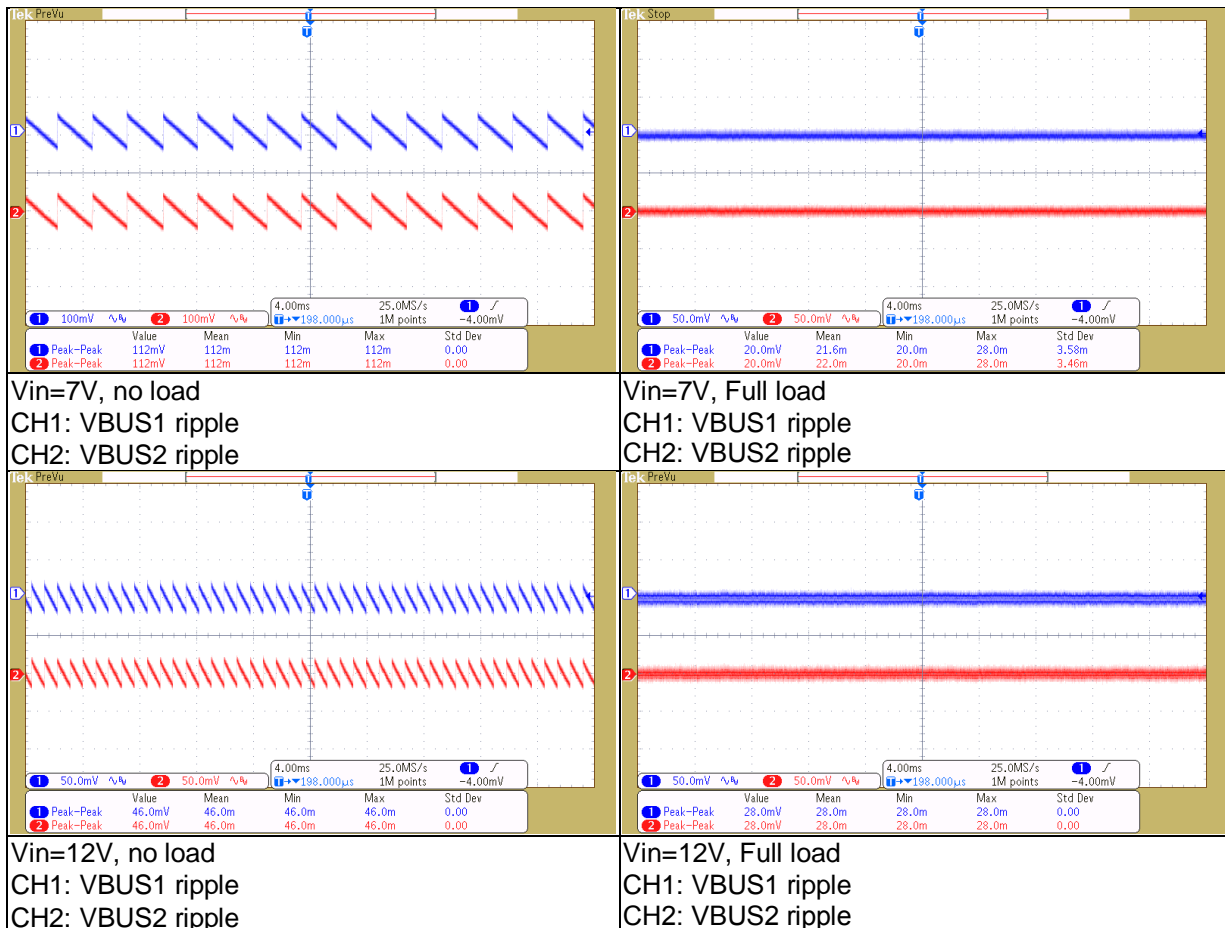
Vin(V)	Iin(mA)	Vbus1(V)	Io1(A)	Vbus2(V)	Io2(A)	Effi.(%)
12.01	0.538	5.106	0.603	5.109	0.599	95.1
11.98	1.076	5.085	1.201	5.102	1.199	94.8
12.00	1.626	5.064	1.801	5.070	1.798	93.5
12.00	2.194	5.039	2.400	5.047	2.401	91.9
12.00	2.782	5.010	3.000	5.016	3.001	90.1

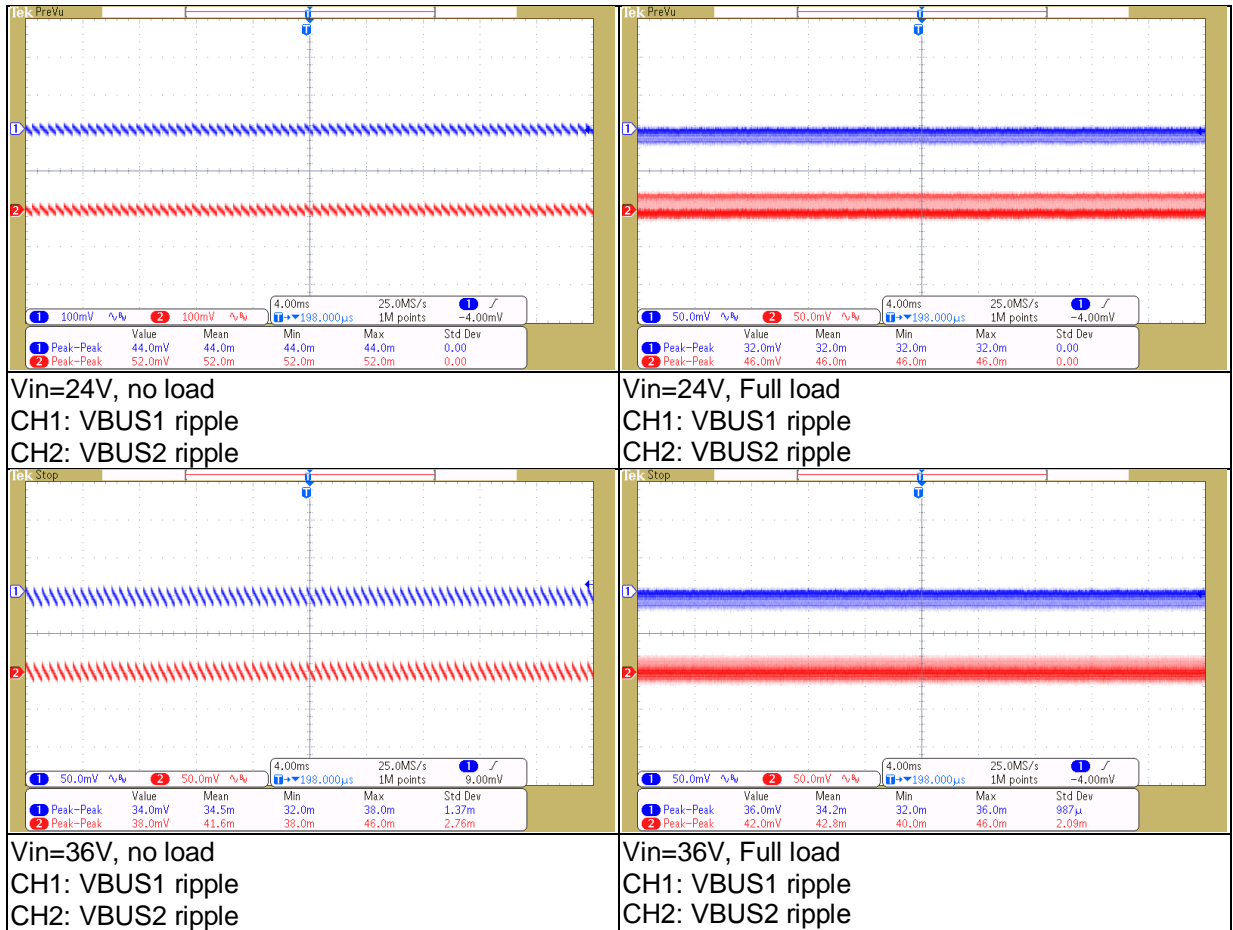
Vin(V)	Iin(mA)	Vbus1(V)	Io1(A)	Vbus2(V)	Io2(A)	Effi.(%)
23.99	0.280	5.104	0.603	5.109	0.600	91.4
24.02	0.549	5.084	1.201	5.094	1.199	92.7
24.01	0.825	5.063	1.801	5.070	1.798	92.1
24.00	1.110	5.036	2.401	5.039	2.401	90.8
23.98	1.403	5.008	3.000	5.016	3.000	89.4

Vin(V)	Iin(mA)	Vbus1(V)	Io1(A)	Vbus2(V)	Io2(A)	Effi.(%)
35.99	0.193	5.105	0.603	5.109	0.599	88.5
35.98	0.374	5.083	1.201	5.094	1.199	90.7
35.98	0.560	5.061	1.801	5.063	1.798	90.5
35.97	0.751	5.034	2.400	5.047	2.401	89.6
35.96	0.948	5.005	3.000	5.016	3.001	88.2

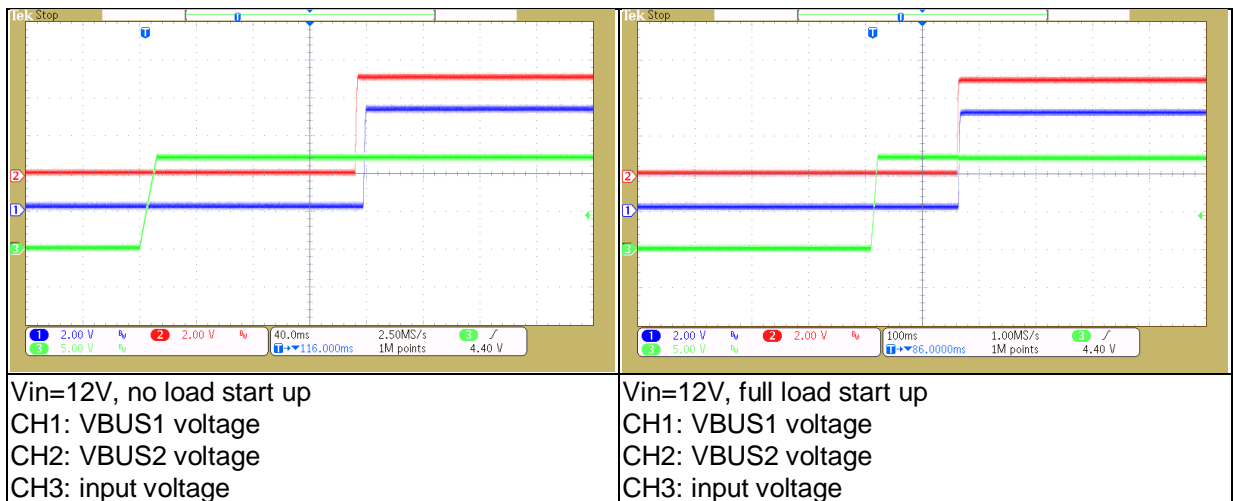


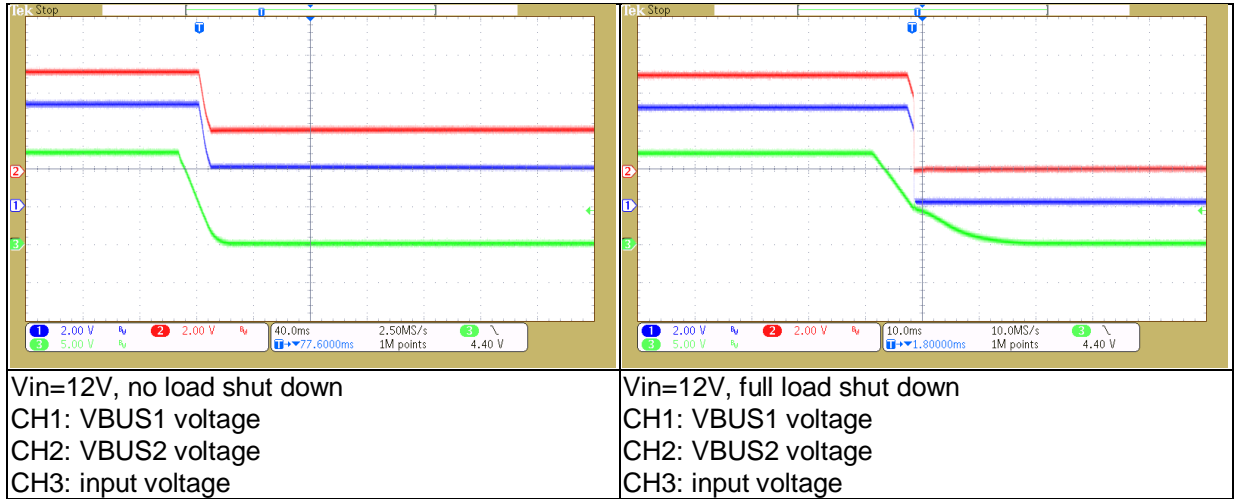
2. Ripple and noise



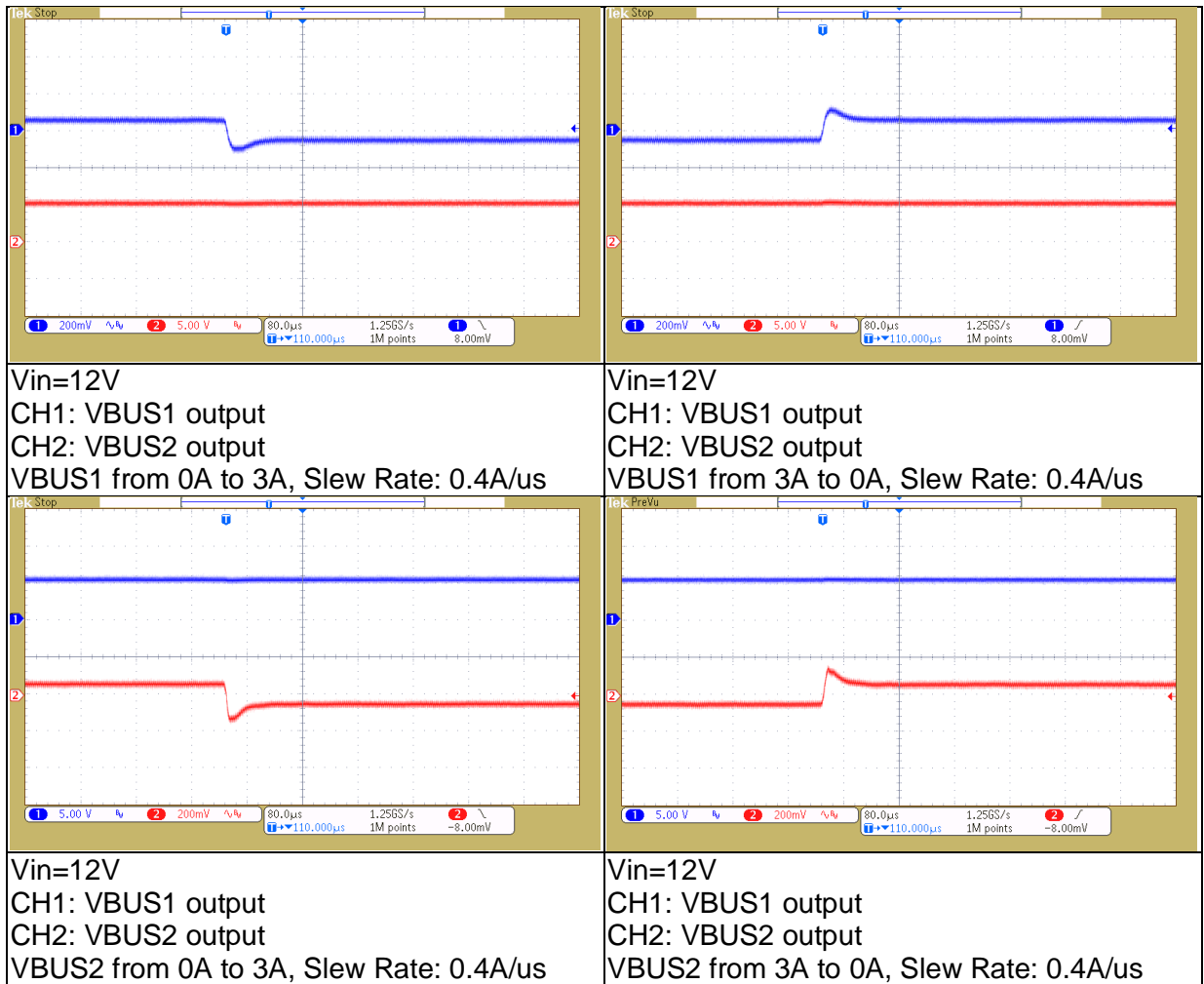


3. Start and Shut down

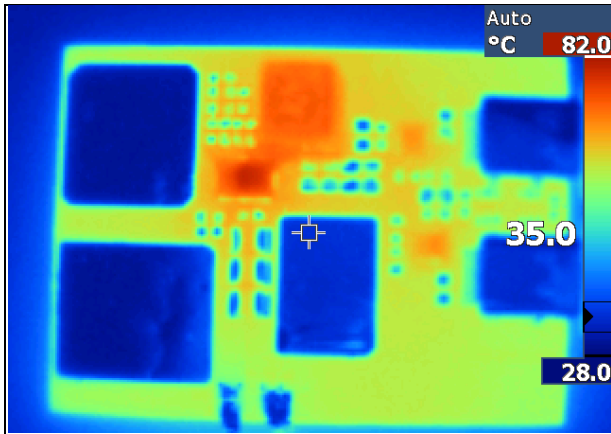




4. Load Transient



5. Thermal



Vin=12V
Output current is 3A for each port

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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