

up to 97 % efficiency



DESIGN KIT

Low Power – Point of Load Solutions



**600 mA to 1.5 A, Low Input
Voltage Single and
Dual Channel Converter**

Evaluation Boards

SP6669, XRP6658, XRP6668, XRP6657

Inductors

WE-LHMI, WE-SPC, WE-TPC, WE-PD2,
WE-LQ

Order Code IC-744 721
Version 1.0

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Evaluation Board SP 6669	744 032 900 2	744 025 002	744 025 003	744 032 900 4	744 025 004	744 025 006	744 032 910 0	744 025 150	744 025 220
	WE-LQ	WE-TPC	WE-TPC	WE-LQ	WE-TPC	WE-TPC	WE-LQ	WE-TPC	WE-TPC
	L: 2.2 µH	L: 2.2 µH	L: 3.3 µH	L: 4.7 µH	L: 4.7 µH	L: 6.8 µH	L: 10 µH	L: 15 µH	L: 22 µH
	R _{DC} : 0.126 Ω	R _{DC} : 0.057 Ω	R _{DC} : 0.085 Ω	R _{DC} : 0.195 Ω	R _{DC} : 0.1 Ω	R _{DC} : 0.142 Ω	R _{DC} : 0.390 Ω	R _{DC} : 0.356 Ω	R _{DC} : 0.525 Ω
Evaluation Board XRP 6658	744 373 240 10	744 373 240 15	744 043 002 2	744 373 240 33	744 089 430 68	744 089 431 50	Evaluation Board XRP 6668	Best suitable inductor Evaluation board configuration Lowest profile inductor All inductors are suitable, please refer to tables available in the booklet.	
	WE-SPC	WE-LHMI	WE-TPC	WE-LHMI	WE-SPC	WE-SPC			
	L: 1.0 µH	L: 1.5 µH	L: 2.2 µH	L: 3.3 µH	L: 6.8 µH	L: 15 µH			
	R _{DC} : 0.022 Ω	R _{DC} : 0.0348 Ω	R _{DC} : 0.023 Ω	R _{DC} : 0.069 Ω	R _{DC} : 0.051 Ω	R _{DC} : 0.136 Ω			
	744 373 240 12	744 043 001 8	744 373 240 22	744 373 240 47	744 089 431 00	744 043 180			
	WE-LHMI	WE-TPC	WE-LHMI	WE-LHMI	WE-SPC	WE-TPC			
	L: 1.2 µH	L: 1.8 µH	L: 2.2 µH	L: 4.7 µH	L: 10 µH	L: 18 µH			
	R _{DC} : 0.025 Ω	R _{DC} : 0.020 Ω	R _{DC} : 0.051 Ω	R _{DC} : 0.095 Ω	R _{DC} : 0.095 Ω	R _{DC} : 0.138 Ω			
Evaluation Board XRP 6657	744 373 240 10	744 373 240 15	744 773 018	744 042 001 8	744 773 022	744 373 240 33	744 042 100	744 042 150	744 042 330
	WE-LHMI	WE-LHMI	WE-PD2	WE-TPC	WE-PD2	WE-LHMI	WE-TPC	WE-TPC	WE-TPC
	L: 1.0 µH	L: 1.5 µH	L: 1.8 µH	L: 1.8 µH	L: 2.2 µH	L: 3.3 µH	L: 10 µH	L: 15 µH	L: 33 µH
	R _{DC} : 0.022 Ω	R _{DC} : 0.0348 Ω	R _{DC} : 0.028 Ω	R _{DC} : 0.040 Ω	R _{DC} : 0.2470 Ω	R _{DC} : 0.069 Ω	R _{DC} : 0.120 Ω	R _{DC} : 0.175 Ω	R _{DC} : 0.382 Ω