

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 μ H	L: 2.2 μ H	L: 3.3 μ H	L: 4.7 μ H	L: 4.7 μ H	L: 6.8 μ H	L: 10 μ H	L: 15 μ H	L: 22 μ H
	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		
	WE-SPC	WE-LHMI	WE-TPC	WE-LHMI	WE-SPC	WE-SPC			
	L: 1.0 μ H	L: 1.5 μ H	L: 2.2 μ H	L: 3.3 μ H	L: 6.8 μ H	L: 15 μ H			
	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 μ H	L: 1.8 μ H	L: 2.2 μ H	L: 4.7 μ H	L: 10 μ H	L: 18 μ H			
	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 μ H	L: 1.5 μ H	L: 1.8 μ H	L: 1.8 μ H	L: 2.2 μ H	L: 3.3 μ H	L: 10 μ H	L: 15 μ H	L: 33 μ H
	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

■ Best suitable inductor
Evaluation board configuration

■ Lowest profile inductor

All inductors are suitable, please refer to tables available in the booklet.

EMC COMPONENTS | INDUCTORS | TRANSFORMERS | RF COMPONENTS | CIRCUIT PROTECTION | EMC SHIELDING MATERIAL | CONNECTORS | SWITCHES | ASSEMBLY TECHNIQUE | POWER ELEMENTS

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