

August 26, 2010

Product Specifications of the 12th-Generation Power MOSFET Products

Ta = 25°C

Product	Max. Rating			On-Resistance (RDS (on)) (mΩ)				Qg (nC)	Qgd(nC)
	VDSS(V)	VGSS(V)	ID(A)	VGS = 4.5 V		VGS = 10 V			
				typ.	max.	Typ.	max.		
RJK0210DPA	25	+16/-12	40	5.7	7.4	4.5	5.4	11.8	1.2
RJK0211DPA	25	+16/-12	30	8.7	11.3	6.8	8.2	7.5	0.9
RJK0212DPA	25	+16/-12	25	12.0	15.6	9.0	10.8	5.4	0.6

•Reference Diagram

Comparison of voltage conversion efficiency between a voltage conversion circuit in which the new RJK0210DPA was used for control and one in which the RJK0365DPA-02 10th generation power MOSFET was used. (In both cases the RJK0208DPA was used as the synchronous rectifier power MOSFET.)

