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**Product Specifications of the New Intelligent Power Devices,
 μ PD166011, μ PD166013 and μ PD166014**

	μ PD166011	μ PD166013	μ PD166014
Features			
Vcc voltage	-28 V		
Nominal current	5 A	3 A	
Vcc voltage under load dump condition	-40 V		
On-state resistance	25 m Ω	60 m Ω	
Short circuit detection current	35 A min.	25 A min	
Package	12-pin HSSOP		24-pin HSSOP
Protection functions			
Short circuit protection	Shutdown when overcurrent is detected and when the circuit is in an overload condition		
Overheating temperature protection	Shutdown when overheating temperature is detected and auto restart when cooled down		
Under voltage lockout	Turn-off and keeps off-state at low Vcc condition. Turn on when Vcc is recovered.		
Output voltage clamp	Output voltage clamp at inductive load switch off		
Diagnostic functions			
Analog current feedback	Above 0.5 A	Above 40 mA	
Diagnostic output	Output diagnosis signal when short circuit or overload conditions detected		