

FETs, IPD, IGBTs, GaAs MMICs

■ IPD (Intelligent Power Device)

Application	Part No.	Drive Voltage V_{CC} (V)	Output MOS FET		Oscillating Frequency f_{osc} (kHz)	Package	
			V_{DSS} (V)	I_D (mA)			No.
EL Driver	MIP805	2.5 to 3.5	100	20/70	120	SSONF10D-G1	D48

Application	Part No.	Input Voltage V_{IN} (V)	Output Break-down Voltage V_{DS} (V)	Output Current I_{OA} (A)	Features	Package		
							No.	
Lamp Driver Solenoid Driver	MIP504	- 0.5 to 6.0	60	2.0	<ul style="list-style-type: none"> • Use with power supply of DC/pulsating current • Over voltage, over current, over heat, and load short • ESD protection circuits built-in 	TO-92NL-A1	D60	
	MIP508		40	1.0		MiniP3-F1	D34	
	MIP510		45	2.0		<ul style="list-style-type: none"> • Use with power supply of 24 V_{ac}/12 V_{dc} • Over voltage, over current, over heat, load short, and ESD protection circuits built-in • For car electronics accessories 	TO-92NL-A1	D60
	MIP511						MT-2-A1	D68
	MIP512							
	MIP513		1.0	Mini6-G1		D31		
	MIP514		2.0	MT-2-A1		D68		
	MIP515		1.0	TO-92NL-A1		D60		
	MIP516		1.0	Mini6-G1		D31		
	MIP704		60	2.0		<ul style="list-style-type: none"> • Use with power supply of 24 V_{ac}/12 V_{dc} • Over voltage, over current, over heat, load short, and ESD protection circuits built-in • For car electronics accessories 	TO-92NL-A1	D60
	MIP705						U-G1/U-G2	D71/ D72
	MIP707						MiniP6-G1	D35
	MIP708		1.0	MiniP3-F1		D34		
	MIP709		40	2.0		<ul style="list-style-type: none"> • Use with power supply of 24 V_{ac}/12 V_{dc} • Over voltage, over current, over heat, load short, and ESD protection circuits built-in • For car electronics accessories 	MiniP6-G1	D35
	MIP713						1.0	Mini6-G1

■ IGBTs

Application	Part No.	Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)			Electrical Characteristics ($T_a = 25^\circ\text{C}$)					Package	
		V_{CES} (V)	I_C (A)	I_C (peak) (A)	$V_{CE(sat)}$ (V)	I_C (mA)	$t_{d(on)}$ (ns)	$t_{d(off)}$ (ns)	t_f (μs)		No.
Strobo	2PG401	400	5	130	< 2	5 A	130	350	1.5	I-A1	D79
	2PG402									U-G2	D72