

Design Kit  
Fixed Frequency Switch Mode Power Supply Using FA5311BP

Classification	Sub-Classification	Part Number	Manufacturer	SPEC	Code	Datasheet	Report	Model	Symbol
IC	Pulse Width Modulation Control IC	FA5311BP	Fuji Electric		IC1	✓	✓	✓	✓
Shunt Regulator		NJM431	JRC	37V / 0.15A ,V <sub>REF</sub> =2.495V	IC2	✓	✓	✓	✓
Photocoupler		TLP281	TOSHIBA		PC1	✓	✓	✓	✓
MOSFET	N Channel	2SK3869	TOSHIBA	450V / 10A	M1	✓	✓	✓	✓
Diode	Bridge Rectifier	D2SBA60	SHINDENGEN	600V / 1.5A	D1	✓	✓	✓	✓
		ERA91-02	Fuji Electric	200V / 0.5A	D2, D3	✓	✓	✓	✓
		MUR160	MOTOROLA	600V / 1A	D4	✓	✓	✓	✓
		SF6L20U	SHINDENGEN	200V / 6A	D21	✓	✓	✓	✓
Zener diode		MTZJ24B	ROHM		DZ1	✓	✓	✓	✓
Choke Coil		8RHB	TOKO	10uH ,2.3A	L21		✓	✓	✓
Capacitor	Aluminum Electrolytic Capacitor	SMH200VN270-22A	Nippon Chemi-Con	270uF ,200V	C1		✓	✓	✓
	Aluminum Electrolytic Capacitor	RJJ-35V221MG5-T20	ELNA	220uF ,35V	C23		✓	✓	✓