


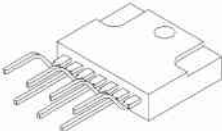


Partial Resonance Power Supply ICs : MR series

Outline

The MR series is Partial Resonance Power Supply IC modules featuring standby mode operation for very low power consumption. A main switching device and a control circuit are incorporated in a single package. Highly efficient and low noise power supplies can easily be designed with a minimum number of external components using the MR series IC.

Features

1. Burst mode operation for very low standby power
Ex. MR1521 in 100V AC main, 12V, 3.5A power supply: Pin=0. 1W at no-load
2. High efficiency, low noise
3. No start-up resistance is required
4. Over current protection
5. Over voltage protection
6. Thermal shutdown

	Type No.	Maximum Output[W] *			Main Switch		Outline					
		90 to 132V AC	180 to 276V AC	90 to 276V AC	Device	V _{bs} [V]	Package	Fig.				
 FTO-5P	☆MR1501	12(Peak 20)	-	-	MOSFET	500	FTO-5P	85				
	☆MR1511	25(Peak 40)										
	☆MR1521	50(Peak 80)										
	☆MR1531	80(Peak 100)										
	☆MR1712	-							25(Peak 40)	12(Peak 20)		
 MIH7	☆MR1722	-	50(Peak 80)	25(Peak 40)	MOSFET	500	MIH7	87				
	MR2520	100	-	-								
	MR2540	150										
	MR2920	-							150	100	1 st Generation High Speed IGBT	900
	MR2940	-							225	150		
 FTO-7P	☆MR4500	12(Peak 20)			-	-	MOSFET	500	FTO-7P	86		
	☆MR4510	25(Peak 40)										
	☆MR4520	50(Peak 80)										
	☆MR4530	80(Peak 100)										
	☆MR4710	-	25(Peak 40)	12(Peak 20)								
	☆MR4720	-	50(Peak 80)	25(Peak 40)			2 nd Generation High Speed IGBT	900				
	☆MR4010	-	65	45								
	☆MR4020	-	105	70								
	☆MR4030	-	135	90								
	☆MR4040	-	180	120								
 MZIP-7	☆MR5040	-	270	150	2 nd Generation High Speed IGBT	900	MZIP-7	88				
	☆MR5060	-	320	180								

☆ : New product

* : The value is for reference. Maximum output power varies with power supply design.