



# Planar Transformer P20F2 40-60W No-Opto Isolated BCM Flyback

## 1. Input Voltage Range 32-72. BCM Flyback.

Champs PN	Vin (Min)	Vin (Max)	Vout	Iout (A dc)	Pout (Watts)	Freq (KHz)	Ipk [Rated]	Ipk [Max]	Mode
P20F2-0801-04-25R0	32	72	3.3	10.0	33.0	140-240	5.0	7.3	BCM
P20F2-0802-05-20R5	32	72	5.0	7.0	35.0	110-170	5.9	9.0	BCM
P20F2-0803-03-20R5	32	72	12.0	4.0	48.0	130-230	6.0	9.0	BCM
P20F2-0803-03-22R0	36	60	12.0	5.0	60.0	105-180	7.7	9.0	BCM

Note: At Vin < 36V the above PNs will operate with a de-rated Power Rating

## 2. Input Voltage Range 16-60. BCM Flyback.

Champs PN	Vin (Min)	Vin (Max)	Vout	Iout (A dc)	Pout (Watts)	Freq (KHz)	Ipk [Rated]	Ipk [Max]	Mode
P20F2-0401-5R2	16	60	3.3	12.0	40.0	102-350	13.0	18.0	BCM
P20F2-0502-6R0	16	60	5.0	8.0	40.0	90-230	13.0	19.0	BCM
P20F2-0504-6R0	16	60	12.0	4.0	48.0	88-300	14.3	19.0	BCM

Note: At Vin < 18V the Power Rating decreases to that shown in Table 3 below



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## 3. Input Voltage Range 9-36. BCM Flyback.

Champs PN	Vin (Min)	Vin (Max)	Vout	Iout (A <sub>dc</sub> )	Pout (Watts)	Freq (KHz)	I <sub>pk</sub> [Rated]	I <sub>pk</sub> [Max]	Mode (BCM/CCM)
P20F2-0402-3R3	9	36	3.3	8.0	26.4	84-200	17.0	28.0	BCM
P20F2-0503-4R5	9	36	5.0	6.0	30.0	65-180	17.0	26.0	BCM
P20F2-0406-3R3	9	36	12.0	3.0	36.0	68-180	20.5	28.0	BCM

Note: At Vin > 18V the Power Rating increases to that shown in Table 2 above

## 4. Input Voltage Range 18-60. BCM Flyback.

Champs PN	Vin (Min)	Vin (Max)	Vout	Iout (A <sub>dc</sub> )	Pout (Watts)	Freq (KHz)	I <sub>pk</sub> [Rated]	I <sub>pk</sub> [Max]	Mode (BCM/CCM)
P20F2-0506-01-7R2	18	60	48.0	1.50	72.0	118-440	14.0	16.0	BCM