

## SIZE EF20 - 2 or 3 OUTPUTS: 5/5v or 12/12v or 3.3+5/12v - FLYBACK TRANSFORMER

Primary / Secondary Insulation  $\geq 4000V$  - Primary / Auxiliary Insulation  $\geq 1500V$

Creepage distance Primary / Secondary  $\geq 8mm$

Ambient temperature  $< 50^{\circ}C$

Construction conforms to IEC950, IEC335, IEC61558 for reinforced insulation

Exclusively uses UL94-V0 listed materials



Bottom View (Pin side)

+E	5		6	+S1
			7	0V
DRAIN	4			
+AUX	2		9	+S2
0V	1		10	0V
<b>74080 - 74082</b>				
+E	5		6	+S2
			7	+S1
DRAIN	4		8	0V
+AUX	2		9	+S3
0V	1		10	0V
<b>74081</b>				

PIN 3 Removed  
PCB Drilling Diameter = 1.2mm

MYRRA P / N	Output Power maximum	Windings					
			Pins	Turns	Voltage	Current maximum	Inductance (+/-10%)
<b>74080</b>	24 w	Pri	4 - 5	86	80 - 135 (VOR)	1.0 Apeak	1000 $\mu$ H
		Aux	2 - 1	12	11 - 18 Vdc	0.3 Adc	
		S1	6 - 7	10	9 - 15 Vdc	1.5 Adc	
		S2	9 - 10	10	9 - 15 Vdc	1.5 Adc	
<b>74081</b>	20 w	Pri	4 - 5	80	75 (VOR)	0.9 Apeak	1100 $\mu$ H
		Aux	2 - 1	17	15 Vdc	0.3 Adc	
		S1	7 - 8	4	3.3 Vdc	3 Adc Sum S1+S2	
		S2	6 - 8	6	5 Vdc		
		S3	9 - 10	14	12 Vdc	1.3 Adc	
<b>74082</b>	20 w	Pri	4 - 5	86	60 - 135 (VOR)	0.85 Apeak	1300 $\mu$ H
		Aux	2 - 1	12	7 - 18 Vdc	0.3 Adc	
		S1	6 - 7	5	3 - 7.5 Vdc	2.0 Adc	
		S2	9 - 10	5	3 - 7.5 Vdc	2.0 Adc	

Note for 74080 and 74082 : S1 and S2 can be connected in series or in parallel

Examples of application with Integrated Circuits :

MYRRA P / N	Control IC Manufacturer	Control IC P / N	Input voltage	Power	Frequency
<b>74080</b>	Power Integrations	TOP243P	185 - 265Vrms	24w	132kHz
	Power Integrations	TOP243P	85 - 265Vrms	15w	132kHz
<b>74081</b>	Power Integrations	TOP243P	185 - 265Vrms	20w	132kHz
	Power Integrations	TOP243P	85 - 265Vrms	12w	132kHz
<b>74082</b>	Power Integrations	TOP243P	185 - 265Vrms	20w	132kHz
	Power Integrations	TOP243P	85 - 265Vrms	14w	132kHz
	Power Integrations	TNY268	185 - 265Vrms	17w	< 120kHz