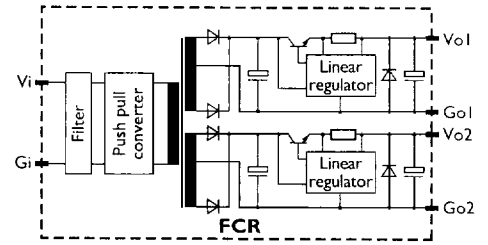


FCR, 12CR, 24CR, FCU, ICR, IWR

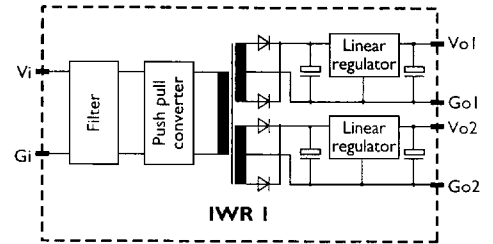
FCR6-..., 12 CR6-..., 24 CR6-..., FCU7-..

- Output power 6...7 W
- Two isolated outputs
- Series or parallel configurations possible
- High reliability
- Input/output isolation 500 V_{rms}
- Input filter incorporated
- Continuously short-circuit proof
- Very low output ripple voltage
- Metal case, module height 11 mm (0.43")



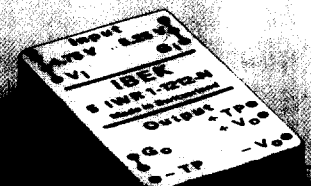
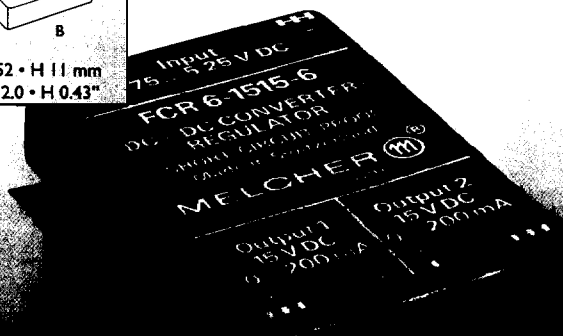
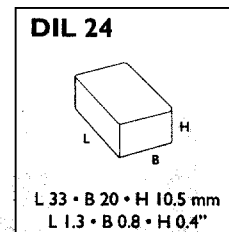
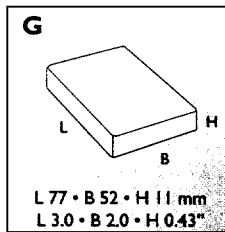
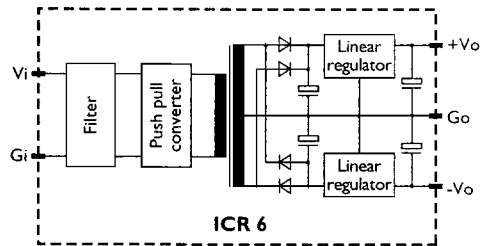
5 ICR 1-.. through 48 ICR 1-.. and 5 IWR 1-.. through 48 IWR 1-..

- Output power 1 W
- One or two outputs available
- High reliability
- Input/output isolation:
ICR 1 types 1400 V_{pp}/500 V_{rms}
IWR 1 types 3000 V_{pp}/1060 V_{rms}
- Input filter incorporated
- Module height 10.5 mm (0.4") only
- Other specifications on request
- Highly regulated outputs



5 ICR 5-.. through 48 ICR 6-..

- Output power 5...6 W
- One or two accurately regulated outputs
- High reliability
- Input/output isolation 1400 V_{pp}/500 V_{rms}
- Input filter incorporated
- Continuously short-circuit proof
- Metal case
- Module height 10.5 mm (0.4") only
- Three different pin configurations



DC-DC converters with isolation

FCR 6-..., 12 CR 6-..., 24 CR 6-..., FCU 7-...

Output 1		Output 2		Input V_i V DC	Eff. η %	Case	Type Basic version $T_A: -25...71^\circ\text{C}$	Options
$V_o \text{ nom}$ V DC	$I_o \text{ nom}$ mA	$V_o \text{ nom}$ V DC	$I_o \text{ nom}$ mA					
5	200	5	1000	12, 24 $\pm 5\%$	60	G	.. CR 6-0505-6	none
12	450	5	100	5 $\pm 5\%$	65		FCR 6-1205-6	
12	85	5	1000	12, 24 $\pm 5\%$	60		.. CR 6-1205-6	
12	250	12	250	5, 12, 24 $\pm 5\%$	65		.. CR 6-1212-6	
15	200	15	200	5, 12, 24 $\pm 5\%$	70		.. CR 6-1515-6	
60	80	60	30	5 $\pm 5\%$	78		FCU 7-6060-6 ¹⁾	

Options

- S** Temperature range
 $T_A: -40...85^\circ\text{C}$ (-40...185°F)
- T** Temperature range
 $T_A: -25...71^\circ\text{C}$ (-13...160°F)

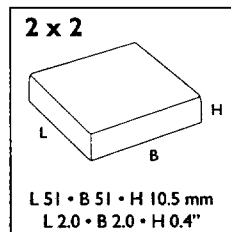
5 ICR 1-.. through 48 ICR 1-.. and 5 IWR 1-.. through 48 IWR 1-..

Output 1		Output 2		Input V_i V DC	Eff. η %	Case	Type Basic version $T_A: 0...71^\circ\text{C}$		Options
$V_o \text{ nom}$ V DC	$I_o \text{ nom}$ mA	$V_o \text{ nom}$ V DC	$I_o \text{ nom}$ mA						
5	200	-	-				.. ICR 1-05-N	.. IWR 1-05-N	
12	80	-	-				.. ICR 1-12-N	.. IWR 1-12-N	
15	66	-	-				.. ICR 1-15-N	.. IWR 1-15-N	
5	50	-5	-50 ²⁾	5 $\pm 5\%$	58	DIL 24	.. IWR 1-0505-N	T, S	
12	40	-5	-40 ²⁾	12 $\pm 10\%$.. IWR 1-1205-N		
12	40	-12	-40 ²⁾	24 $\pm 10\%$.. ICR 1-1212-N		.. IWR 1-1212-N
15	33	-15	-33 ²⁾	28 $\pm 10\%$.. ICR 1-1515-N		.. IWR 1-1515-N
				48 $\pm 10\%$					
5	100	5	100				.. IWR 1-05-05-N		
5	100	12	40				.. IWR 1-05-12-N		
5	100	15	33				.. IWR 1-05-15-N		
12	40	12	40				.. ICR 1-12-12-N		.. IWR 1-12-12-N
15	33	15	33				.. ICR 1-15-15-N		.. IWR 1-15-15-N

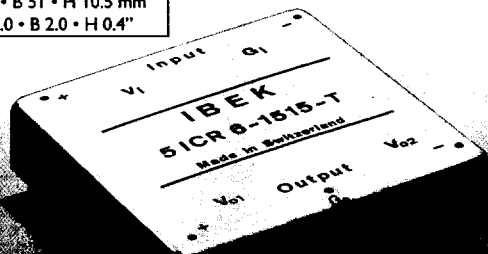
5 ICR 5-.. through 48 ICR 6-..

Output 1		Output 2		Input V_i V DC	Eff. η %	Case	Type Basic version $T_A: -25...71^\circ\text{C}$	Pin con- fig.	Options
$V_o \text{ nom}$ V DC	$I_o \text{ nom}$ mA	$V_o \text{ nom}$ V DC	$I_o \text{ nom}$ mA						
5	1000	-	-	5 $\pm 10\%/-7\%$	68 to 76	2" x 2"	.. ICR 5-05-T..	A, B, C	S ⁴⁾
12	500	-	-	12 $\pm 10\%/-7\%$.. ICR 6-12-T..		
15	400	-	-	15 $\pm 10\%/-7\%$.. ICR 6-15-T..		
12	250	-12	-250 ²⁾	24 $\pm 10\%/-7\%$.. ICR 6-1212-T.. ³⁾		
15	200	-15	-200 ²⁾	28 $\pm 10\%/-7\%$.. ICR 6-1515-T.. ³⁾		
				48 $\pm 10\%/-7\%$					

- ¹⁾ Unregulated outputs providing current limitation only
- ²⁾ Common ground
- ³⁾ Input 15 V not available
- ⁴⁾ Linear derating by 1 W between 71°C...85°C (160...185°F)



Accessory
410



Pin configurations

(bottom view)

Pin configuration to be specified with order (e.g. 12ICR6-12-TC)

