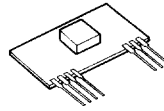


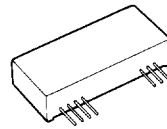
DC-DC Converters

HDC series (1.5W)



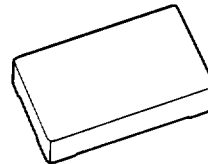
Type No.	Input Voltage [Vdc]	Output Voltage [Vdc]	Output current [mA]	Ripple and Noise [mVP-P] (max)	Outline
					Fig.
HDC-0505S	4.5 ~ 5.5	5	300	100	111
-0512D		±12	±60	120	
-0515D		±15	±50	150	
-1205S	9.6 ~ 14.4	5	300	100	
-1212D		±12	±60	120	
-2405S	19.2 ~ 28.8	5	300	100	
-2412D		±12	±60	120	

HDF series (3W)



Type No.	Input Voltage [Vdc]	Output Voltage [Vdc]	Output current [mA]	Ripple and Noise [mVP-P] (max)	Outline
					Fig.
HDF-0503S	4.0 ~ 7.2	3.3	600	100	112
-0505S		5	600	100	
-0509S		9	330	120	
-0512S		12	260	120	
-0515S		15	210	150	
-0505D		±5	200	100	
-0512D		±12	125	120	
-0515D		±15	100	150	
-1205S	8.0 ~ 16.5	5	600	100	
-1212S		12	260	120	
-1215S		15	210	150	
-1212D		±12	125	120	
-1215D	±15	100	150		
-2405S	16 ~ 32	5	600	100	
-2412S		12	260	120	
-2415S		15	210	150	
-2412D		±12	125	120	
-2415D	±15	100	150		
-4805S	28 ~ 56	5	600	100	
-4812S		12	260	120	
-4815S		15	210	150	
-4812D		±12	125	120	
-4815D		±15	100	150	

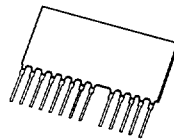
HJK series (5W)



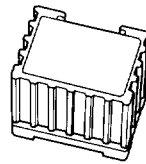
Type No.	Input Voltage [Vdc]	Output Voltage [Vdc]	Output current [A]	Ripple and Noise [mVP-P] (max)	Outline
					Fig.
HJK-0505S	4.5 ~ 14.0	5	1.0	100	113
-0512S		12	0.42	200	
-0515S		15	0.33	200	
-0512D		±12	0.21	200	
-0515D		±15	0.17	250	

HG series

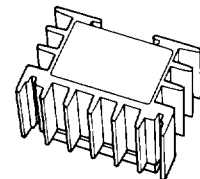
Type No.	Input Voltage [Vdc]	Output Voltage [Vdc]	Output current [A]	Ripple and Noise [mVp-p]	Outline		
					Fig.		
HGF051R2	20 ~ 60	5	1.2	200	114		
120R5		12	0.5	300			
240R3		24	0.3	400			
052R4		5	2.4	200	114		
12001		12	1	300			
150R8		15	0.8	350			
240R5	24	0.5	400				
HGE05006	20 ~ 32	5	6	200	115		
122R5		12	2.5	300			
241R3		24	1.3	400			
02015		2	15	200	116		
05012		5	12	200			
12005		12	5	300			
15004		15	4	350			
242R5		24	2.5	400			
05024		5	24	200			
12010		12	10	300			
24005		24	5	400			
HGG03006		40 ~ 60	3.3	6		200	115
05006			5	6		200	
093R3			9	3.3		250	
122R5			12	2.5		300	
15002	15		2	350			
241R3	24		1.3	400			
02015	2		15	200	116		
05012	5		12	200			
096R6	9		6.6	250			
12005	12		5	300			
15004	15		4	350			
242R5	24		2.5	400			
02026	2		26	200			
03024	3		24				
05024	5		24	200			
09013	9		13	250			
12010	12		10	300			
15008	15		8	350			
24005	24		5	500			



HRD050R6



HRD051R5



HRD05003

HR series

Type No.	Input Voltage [Vdc]	Output Voltage [Vdc]	Output current [A]	Ripple and Noise [mVp-p]	Outline
					Fig.
HRD050R6	8 ~ 40	5 (3.3~24*)	0 ~ 0.6	25	117
051R5			0 ~ 1.5		118
05003					
12003	17 ~ 40	12 (5~24*)	0 ~ 3		119
HRND12R35	8 ~ 32	-12 (-5~-15*)	0 ~ 0.35	25	117
120R7			0 ~ 0.7		120

* : Rating with external resistor