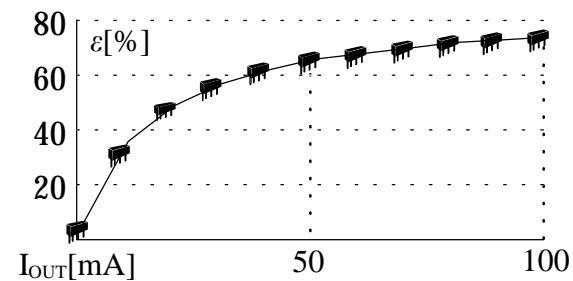
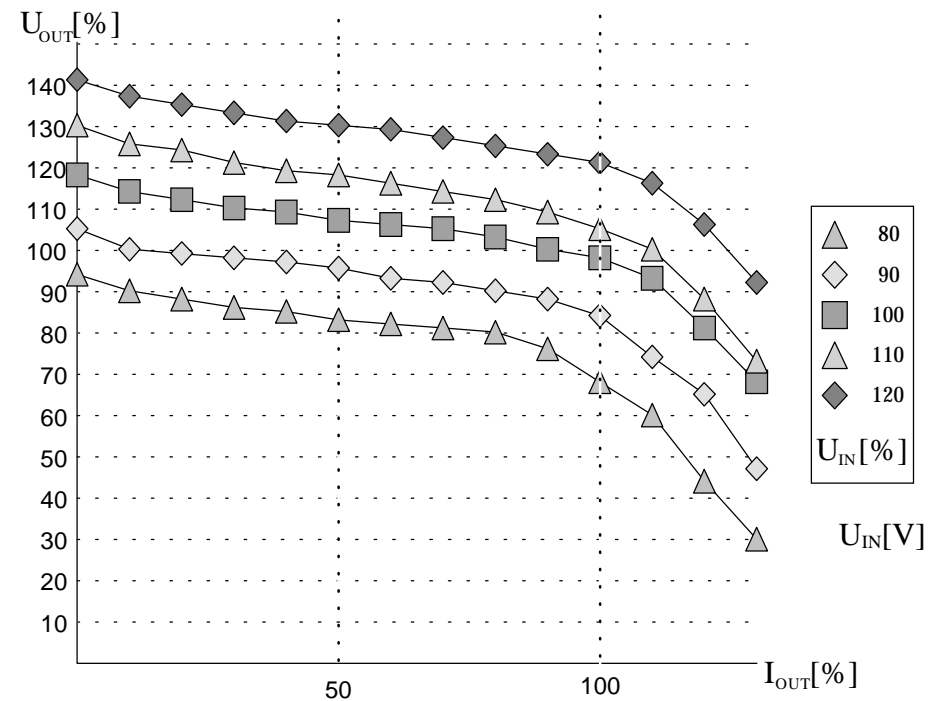


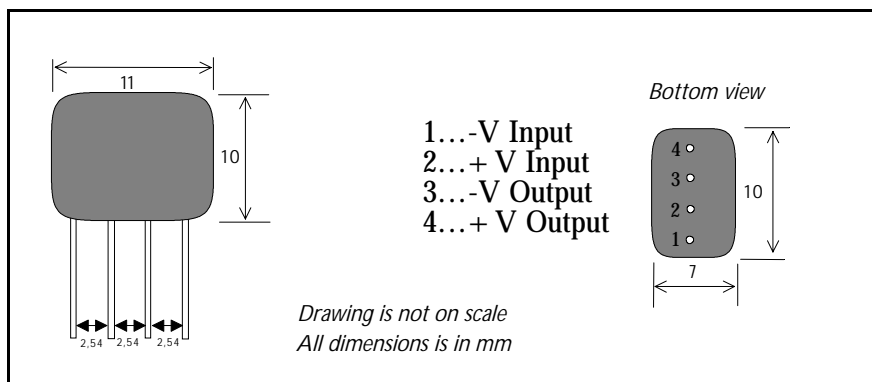
## Specifications of CHM series

Specifications	Conditions	Min	Typ	Max	Unit
Output voltage accuracy			4.0	5.0	%
Load regulation	$I_{OUT} = 0...100\%$ $U_{IN} = 5V, 12V, 24V$		18.0	25.0	%
Temperature coefficient			0.05	0.08	%/K
Input current no load	$U_{IN} = 5V$ (CHM05xx)		23	30	mA
	$U_{IN} = 12V$ (CHM12xx)		15	22	
	$U_{IN} = 24V$ (CHM24xx)		7	11	
Ripple and noise (pk-pk)	no load		200	280	mV
	$I_{OUT} = 100\%$		150	190	mV
Isolation voltage (DC)	$I_{OUT} = 0mA$	1000	1500		VDC
Isolation capacitance	$f = 1MHz$		23	27	pF
Short circuit protection	$U_{IN} = 5V, 12V$			10	s
Operating temperature		-25		+75	°C
Case temperature		-25		+200	°C
Case scale	metric	7 x 10 x 11			mm
	inches	276 x 394 x 433			mils
Pin scale	metric	8	9	10	mm
	inches	315	354	394	mils
Pin diameter	metric	0.55	0.60	0.65	mm
	inches	22	24	26	mils
Case material	Silicon elastomer				
Weight		1.3	1.5	1.8	g
Input filter	Integrated				
Output filter	Integrated				

Output characteristic of CHMseries



Relationship of efficiency on load current. Tested model of DC/DC convertor is CHM0505

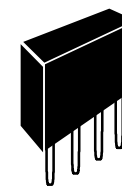


## DC/DC Convertors

### *CHM series*

The CHM Series is a family of single output low power DC/DC convertors in SIL case. These devices are ideally for applications of industrial control systems, medical equipment, measuring instruments etc...

- ✓ Low no load input current
- ✓ High isolation voltage
- ✓ Low scale case
- ✓ Low cost
- ✓ Needed no external components



### Models list of CHM series DC/DC convertors

Model	Input voltage [V]	Output voltage [V]	Output current [mA]	Efficiency [%]
CHM0505	4-6	5	100	65
CHM0512		12	50	68
CHM0515		15	40	68
CHM1205	9-15	5	150	68
CHM1212		12	70	70
CHM1215		15	60	70
CHM1205	18-30	5	150	65
CHM1212		12	70	68
CHM1215		15	60	68

Dubská 966 - P.O.Box 210  
 272 03 Kladno 3  
 tel/fax:0312/64 58 26



