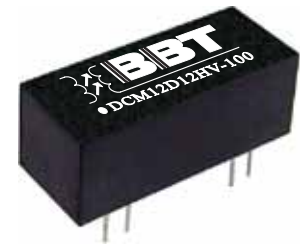


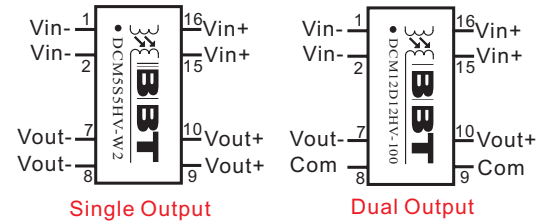
★ Features

The DCM-HV converter series have very excellent isolation characteristic. The small size DIP-package and light weight allows easy handling by pick-and-place Machines. They are ideally suited for heavy electrical machine interface or medical electrical equipment interface, such as Multi-parameter Patient Monitor etc.

- ◆ DIP-Package: DIP16
- ◆ International Standard Pinout
- ◆ Fixed Input: 5/9/12/15/24VDC
- ◆ Input Voltage range : $V_{in} \pm 10\%$
- ◆ I/O-Isolation : >4500VDC(60 second /0.5mA)
- ◆ Single output: 3.3/5/6/7/8/9/12/15(VDC)
- ◆ Dual output(±): 3.3/5/6/7/8/9/12/15(VDC)
- ◆ Output Voltage Accuracy : $V_{out} \pm 5\%$
- ◆ Switching Frequency: 80~200KHZ
- ◆ Line voltage regulation: 1.25%/1% of V_{in}
- ◆ Load voltage regulation: 8% load=20%~100%
- ◆ Ripple & Noise (20MHz): 100mVp-p, Max
- ◆ Temperature coefficient : $\pm 0.02\%/1^\circ\text{C}$
- ◆ Operation temperature: $-40^\circ\text{C} \sim +85^\circ\text{C}$



★ Pin Assignment



Single Output

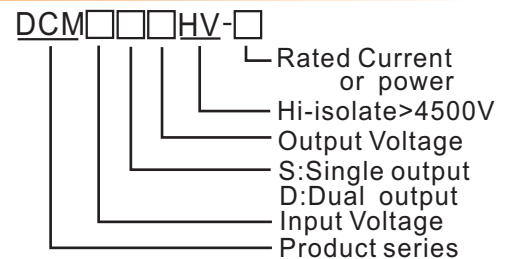
Dual Output

PIN	Single	Dual
1	Vin-	Vin-
2	Vin-	Vin-
7	Vout-	Vout-
8	Vout-	Common
9	Vout+	Common
10	Vout+	Vout+
15	Vin+	Vin+
16	Vin+	Vin+

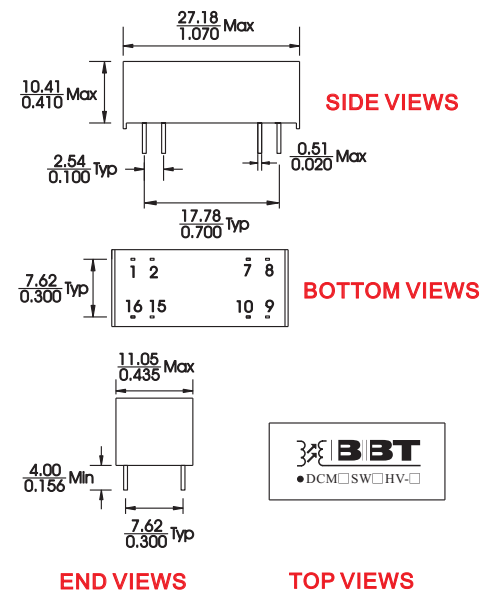
★ Product Program

Part Number	Input(V) $V_{in} \pm 10\%$	Output		Efficiency %(MIN)
		Vout(V)	Iout(Max)	
DCM5S3.3HV-W2	5	3.3	60mA	70
DCM5D8HV-1W	5	± 8	$\pm 63\text{mA}$	70
DCM12S9HV-100	12	9	100mA	70
DCM12D12HV-100	12	± 12	$\pm 100\text{mA}$	70
DCM15D9HV-100	15	± 9	$\pm 100\text{mA}$	70
DCM9D15HV-2W	9	± 15	$\pm 111\text{mA}$	70
Models				
$V_{in}=5\text{VDC}$	$V_{in}=9\text{VDC}$			
DCM5S3.3HV-W2	DCM5D15HV-2W	DCM9S3.3HV-100		
DCM5S3.3HV-1W	DCM5D15HV-3W	DCM9S3.3HV-200		
DCM5S5HV-W2	$V_{in}=12\text{VDC}$	DCM9S5HV-W5		
DCM5S5HV-W5	DCM12S3.3HV-100	DCM9S5HV-1W		
DCM5S5HV-1W	DCM12S3.3HV-200	DCM9S6HV-1W		
DCM5S5HV-250	DCM12S5HV-W5	DCM9S7HV-1W		
DCM5S6HV-1W	DCM12S5HV-1W	DCM9S8HV-1W		
DCM5S7HV-1W	DCM12S6HV-1W	DCM9S9HV-1W		
DCM5S8HV-1W	DCM12S7HV-1W	DCM9S12HV-100		
DCM5S9HV-1W	DCM12S8HV-1W	DCM9S15HV-100		
DCM5S12HV-100	DCM12S9HV-1W	DCM9D5HV-100		
DCM5S15HV-100	DCM12S12HV-100	DCM9D5HV-150		
DCM5D3.3HV-100	DCM12S15HV-100	DCM9D6HV-150		
DCM5D3.3HV-200	DCM12D5HV-100	DCM9D7HV-100		
DCM5D5HV-100	DCM12D5HV-150	DCM9D8HV-100		
DCM5D5HV-150	DCM12D6HV-150	DCM9D9HV-100		
DCM5D6HV-150	DCM12D7HV-100	DCM9D12HV-100		
DCM5D7HV-150	DCM12D8HV-100	DCM9D15HV-100		
DCM5D8HV-100	DCM12D9HV-100	$V_{in}=15\text{VDC}$		
DCM5D9HV-100	DCM12D12HV-100	DCM15D12HV-100		
DCM5D12HV-100	DCM12D15HV-100	ETC		

★ Model Select Guide



★ Dimensions: (mm / inch)



Other specifications please enquire

