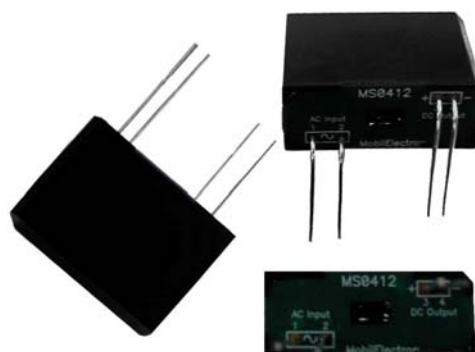


## MS0405 Switching Mode Power Supply

## Special Features

- Small multi-purpose power supply
- Wide Input Range(AC85V~265V)
- Built-in EMI filter
- Isolated output
- Short circuit protection
- Over voltage protection
- Thermal shutdown
- Low standby-power



## Electrical Characteristics

Characteristics		Condition	Min.	Typ.	Max.	Unit
AC Input	Voltage Range		85	220	265	V
	Current	Vi=AC220V, Io=700mA	-	-	44	mA
DC Output	Voltage Range	Vi=AC220V, Io=500mA	4.7	5.0	5.3	V
	Output Current	Vi=AC220V	-	700	800	mA
	Peak Output Current	Vi=AC220V, Time=5min	-	-	900	mA
	Line Regulation	Vi=AC85~220V, Io=500mA	-	-	0.10	V
	Load Regulation	Vi=AC220V, Io=0~500mA	-	-	0.25	V
	Ripple Voltage	Vi=AC220V, Io=700mA	-	-	0.06	Vp-p
	Efficiency	Vi=AC220V, Io=700mA	-	-	60	%
Power Consumption	No Load	Vi=AC220V, Io=0mA	-	-	0.60	W
	Full Load	Vi=AC220V, Io=700mA	-	-	5.9	W
Temperature	Operating Range		0	-	40	°C
	Storage Range		-20	-	85	°C

## Package Outline

Technical drawing of the MS0412 DC-DC converter. The drawing includes a top view, a side view, and a pinout diagram. The top view shows a rectangular component with dimensions 34.5mm (length) and 14.2mm (width). The side view shows a height of 24.0mm. The pinout diagram shows four pins: Pin 1 (AC Input), Pin 2 (AC Input), Pin 3 (+ DC Output), and Pin 4 (- DC Output). The unit is in mm.