DC/DC CONVERTERS

LAN and general-purpose DC/DC Converters for a wide variety of applications.

2W Regulated LAN DC/DC Converters

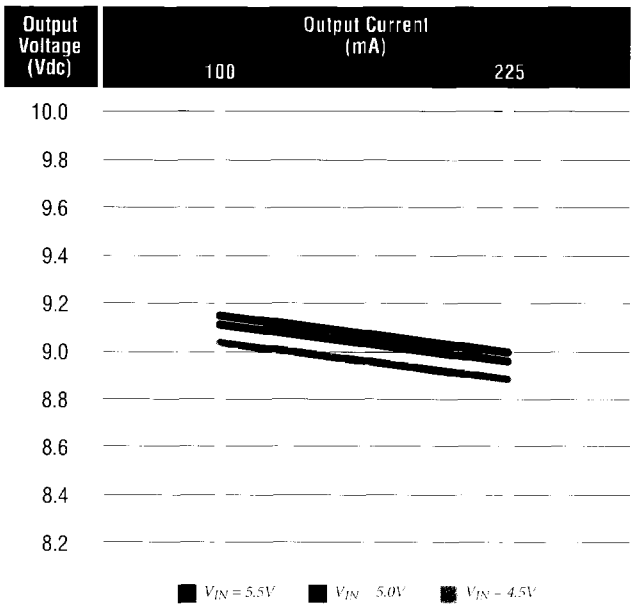
- Fully switching regulated within ±5% including V_{IN} and I_{OUT}
- Rated for continuous operation at full load between 0° and 70°C
- PM6501/02 are the industry's first surface mountable 2W DC/DC Converters
- Include differential input filtering to reduce ripple reflected onto input bus
- Include common-mode and output differential filters for low EMI
- Self-standing, no external components required in normal applications
- Remote ON/OFF included on some models for *"jumperless solutions"* or power conservation

Part Number	V_{IN} nom (Vdc)	V_{IN} range (Vdc)	V_{OUT}[1] nom (Vdc)	I_{OUT} min (mAdc)	I_{OUT} max (mAdc)	Efficiency[2] typ (%)	Ripple max (mVp-p)	Remote ON/OFF[3]	Isolation (Vac)	Package[5]
PM6045	5	4.5-5.5	9	80	225	68	150	No	2000	D1 4-pin DIL
PM6044	5	4.5-5.5	9	80	225	68	150	Yes	2000	D 24-pin DIL
PM6079	5	4.5-5.5	9	80	225	68	150	Yes[4]	2000	D 24-pin DIL
PM6501	5	4.5-5.5	9	50	225	75	100	Yes	2000	E 10-pin SMD
PM6030	12	10.2-15.75	9	80	225	68	100	No	2000	D 24-pin DIL
PM6046	12	10.2-15.75	9	80	225	69	100	No	2000	D1 4-pin DIL
PM6042	12	10.2-15.75	9	80	225	69	100	Yes	2000	D 24-pin DIL
PM6077	12	10.2-15.75	9	80	225	69	100	Yes[4]	2000	D 24-pin DIL
PM6502	12	10.2-15.75	9	50	225	72	100	Yes	2000	E 10-pin SMD
PM1006	12	10.2-15.75	9	80	250	69	100	No	2500	A 5-pin DIL

[1] *Outputs are fully isolated and may be applied as either positive or negative.*
[2] *Typical efficiency at full load and nominal input voltage.*
[3] *Except as noted [4], units including Remote ON/OFF are logic Lo/open = ON, logic Hi = OFF. See data sheet for specific logic levels and loading characteristics.*
[4] *Remote ON/OFF is logic Lo/open = OFF, logic Hi = ON. See data sheet for specific logic levels and loading characteristics.*
[5] *Package drawings shown on pages 16 - 17.*

Regulated Output Performance

Typical Valor DC/DC Converter (5 V_{IN}/9 V_{OUT})



Unregulated Output Performance

Typical Valor DC/DC Converter (5 V_{IN}/9 V_{OUT})