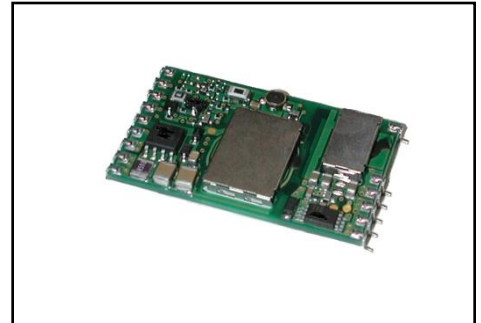


MPD6D10*S Series Isolated 10W DC-DC Converter for Telecomm Equipment

■ FEATURES

- **No De-Rating** (@ 40LFM Natural Convection Air Flow)
- **Smallest & Lowest Profile in the Industry**
- **Surface Mount**
- **Wide Input Voltage Range: (36 to 75V)**
- **Current Sharing** (Up to 10 devices in Parallel Operation)
- **Power Sequencing**
- **On/Off Control Function**
- **Wide Operating Temperature Range** (-40 ~ +85degC)
- **Input-Output Isolation** (1.5kVdc for 1 minute)
- **Over current Limit Inception**
- **Low voltage Protection**
- **Over voltage Protection**
- **Alarm Output**
- **EMI Compliance with CISPR22, Class A**
- **Multiple Sources Available**



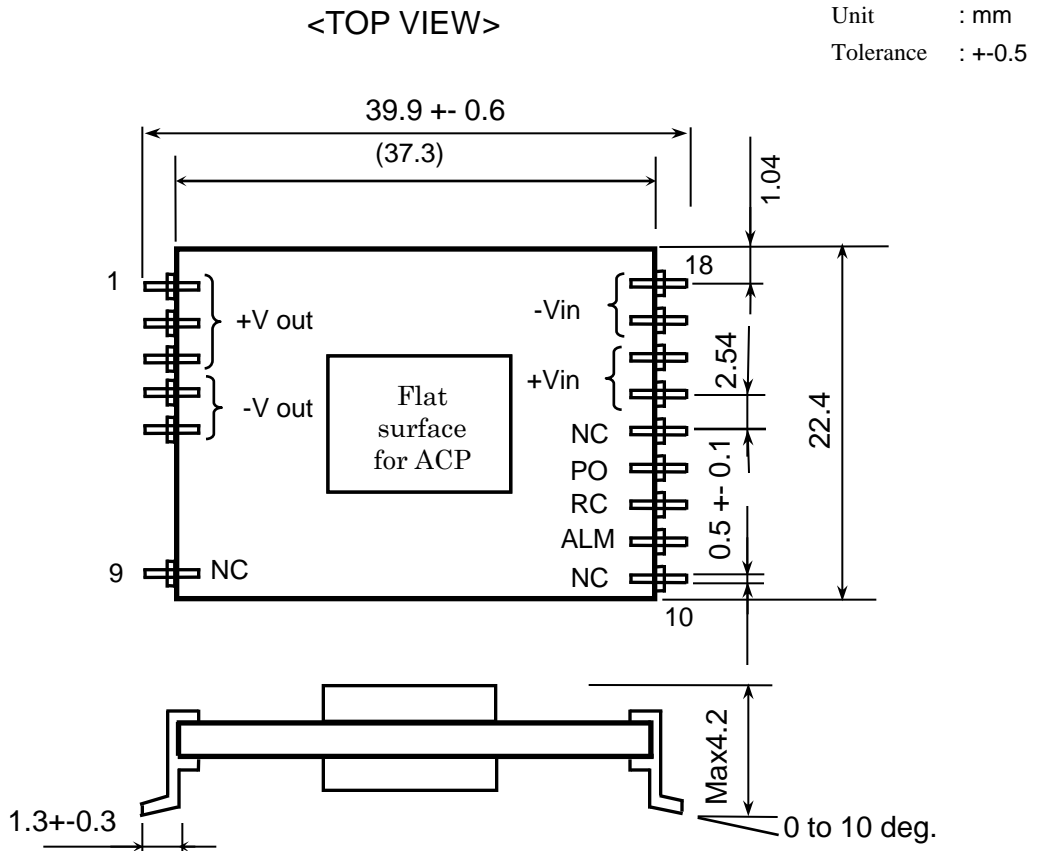
■ GENERAL SPECIFICATIONS

Item \ Model		MPD6D***S Series					
		102	103	104	106	107	108
Input	Nominal Input Voltage	48V					
	Input Voltage Range	36 to 75V					
	Operating Condition	36 to 60V(Natural air convection 40LFM [0.2m/s]) 36 to 75V(Forced air convection 100LFM [0.5m/s])					
	Turn-on Input Voltage	32 to 36V					
	Turn-on/off Hysteresis (Min.)	2V					
Output	Output Voltage	1.2V	1.5V	1.8V	2.5V	3.3V	5.0V
	Output Voltage Tolerance	+5%,-3%					
	Nominal Output Current	3.5A		3A		2A	
	Over current Limit Inception (Min.)	3.6A		3.1A		2.1A	
	Low voltage Protection (Max.)	90% of Nominal Output Voltage					
	Efficiency(typ) Note 1	82%	84%	86%	88%	89%	
	Output Ripple and Noise (Max.)	50mVp-p with f _{BW} =100MHz					
	Remote ON/OFF control	ON : RC pin connected to -Vin or open OFF : RC pin connected to +Vin					
Isolation	Input - Output(Min.)	1500Vdc 1minute					
Environment	Operation Ambient Temperature	-40 to 85C.					
	Operating Humidity	20 to 85%					
	Storage Ambient Temperature	No condensation					
	Storage Humidity	-45 to 90 C. 10 to 95%					
		No condensation					

Note 1:Vin=48V,Iout=Nominal output current

MPD6D10*S Series Isolated 10W DC-DC Converter for Telecomm Equipment

■ DIMENSIONS



Weight :Max.8g

Pin assignment

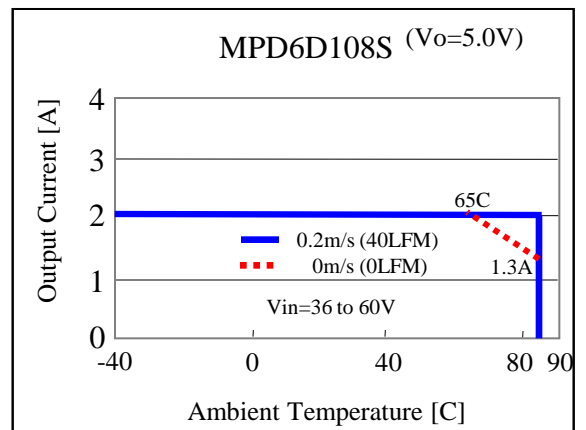
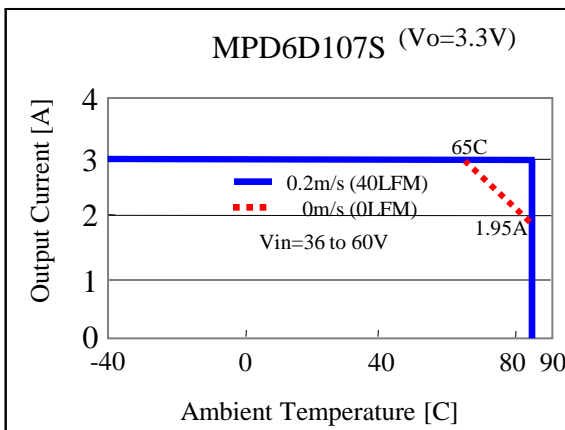
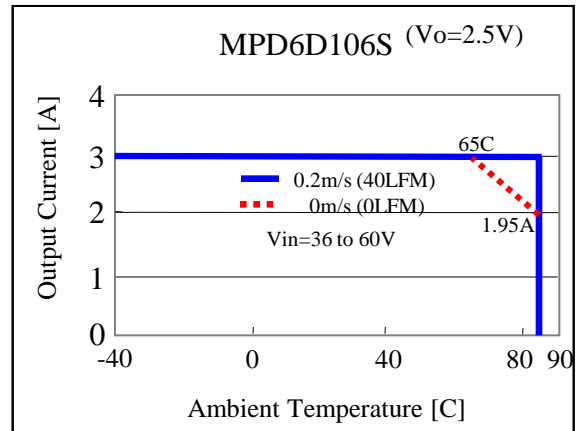
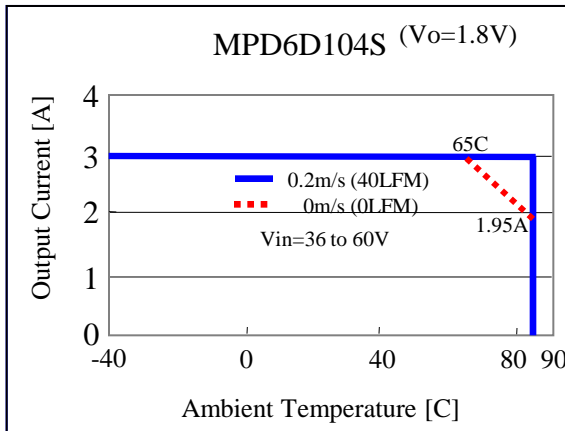
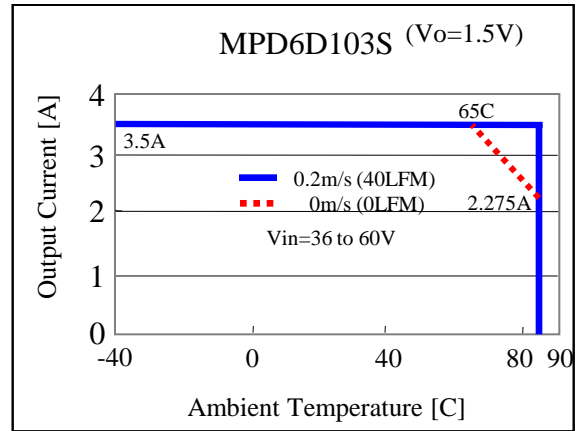
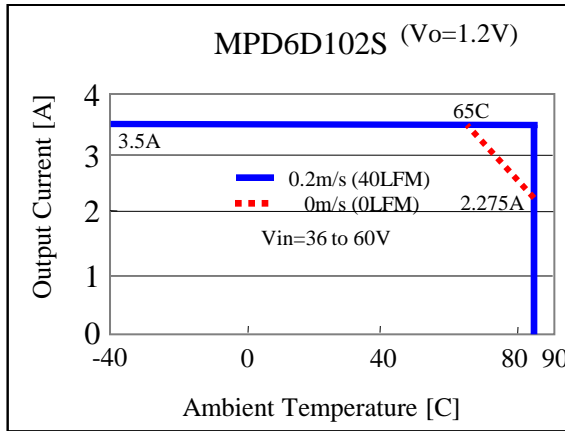
Pin No.	Designation	Function	
9,10,14	NC	Not Connected	
1,2,3	+Vout	+Output	
4,5	-Vout	-Output	
11	ALM	Alarm	Note1
12	RC	Remote On/Off Control	
13	PO	Parallel Operation	Note2
15,16	+Vin	+ Input	
17,18	-Vin	- Input	

Note 1: Any DC-DC converter halted abnormally forces all DC-DC converters, connected via ALM pins for parallel and/or multiple operation, to stop their operation.

Note 2: The start-up of DC-DC converters connected via PO pins may be synchronized for parallel and/or multiple operation (Power Sequencing).

MPD6D10*S Series Isolated 10W DC-DC Converter for Telecomm Equipment

■ Power Derating



MPD6D10*S Series Isolated 10W DC-DC Converter for Telecomm Equipment

■ Safety

UL60950 recognized, CE marking(LVD directive)



Product specifications in this catalog are as of May .2011, and are subject to change or discontinuance without notice.
Please confirm the specification before ordering any product.
If there are any questions, please contact our sales representatives or engineers.