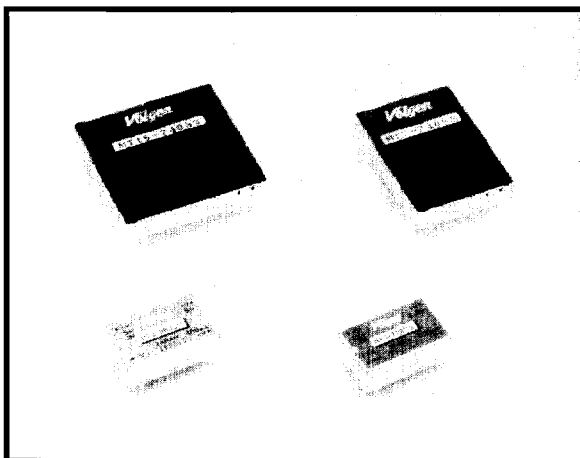




Board Level DC/DC Converters

MT7W/15W SERIES



Features:

- High Efficiency & Reliability
- Single and Dual Outputs
- I/O Isolation 500VDC
- Remote On/Off Control
- EMI/RFI VDE0871A, EN55022A
- Low Output Ripple and Noise
- Short Circuit Protection
- Direct PCB-Soldering
- Internal Line Filter

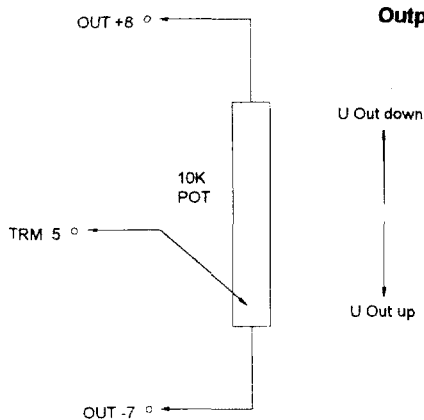
SPECIFICATIONS	MT7W	MT15W
RATED INPUT VOLTAGE	2:1 Wide Input Range 24V (18 ~ 36VDC), 48V(36 ~ 72VDC)	
OUTPUT VOLTAGE ACCURACY	±5%	
OUTPUT ADJUST (TRM)	±10% (Single Output Models)	
LINE REGULATION	0.5% max.	Single Outputs 0.5% max. Dual Outputs 1.0% max.
LOAD REGULATION	0.8% max. Single Outputs (0~100% Load) 0.8% max. Dual Outputs (0~100% Balanced Load) 5% max. Dual Outputs (20~100% One Output Fixed 100% Load)	0.8% max. Single Output (0~100% Load) 1.5 % max. 3.3V Output Models (0~100% Load) 0.8% max. Dual Outputs (0~100% Balanced Load) 350mV max. Dual Output (20~100% One Output Fixed 100% Load)
TEMPERATURE COEFFICIENT	±0.05% / °C	
OVP/OC	Built-in (Single Outputs) 115 ~ 150%	
OUTPUT RIPPLE NOISE	150mVp-p (DC to 20 MHz)	
REMOTE OPERATION	"RC" connected"-VIN : Unit OFF	"RC" open : Unit ON
OPERATING TEMPERATURE	-20°C ~ 60°C (Case temperature not to exceed 95°C)	
CASE TEMPERATURE	+91°C	
STORAGE TEMPERATURE	-25°C ~ 100°C	
HUMIDITY	30 ~ 85% RH	
DIELECTRIC WITHSTANDING	Primary - Secondary DC500V/1 min. 1mA Primary - Case DC500V/1 min. 1mA Secondary - Case DC500V/1 min. 1mA	
SWITCHING FREQUENCY	300KHz	
ISOLATION RESISTANCE	INPUT - OUTPUT - CASE 100M Ohm min. (Measured at 500 VDC)	
CASE MATERIAL	Nickel Plated Steel	
MTBF	>1,000,000 Hours	
WARRANTY	Two Years	

MT7W SERIES

MODEL	RATING	DC INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT	EFFICIENCY
MT7-2405S MT7-2412S MT7-2415S MT7-2405W MT7-2412W MT7-2415W	7 WATT	24VDC (18-36V)	5VDC 12VDC 15VDC ±5VDC ±12VDC ±15VDC	1.5A 0.62A 0.5A ±700mA ±300mA ±250mA	77% 80% 80% 77% 80% 80%
MT7-4805S MT7-4812S MT7-4815S MT7-4805W MT7-4812W MT7-4815W	7 WATT	48VDC (36-72V)	5VDC 12VDC 15VDC ±5VDC ±12VDC ±15VDC	1.5A 0.62A 0.5A ±700mA ±300mA ±250mA	77% 80% 80% 77% 80% 80%

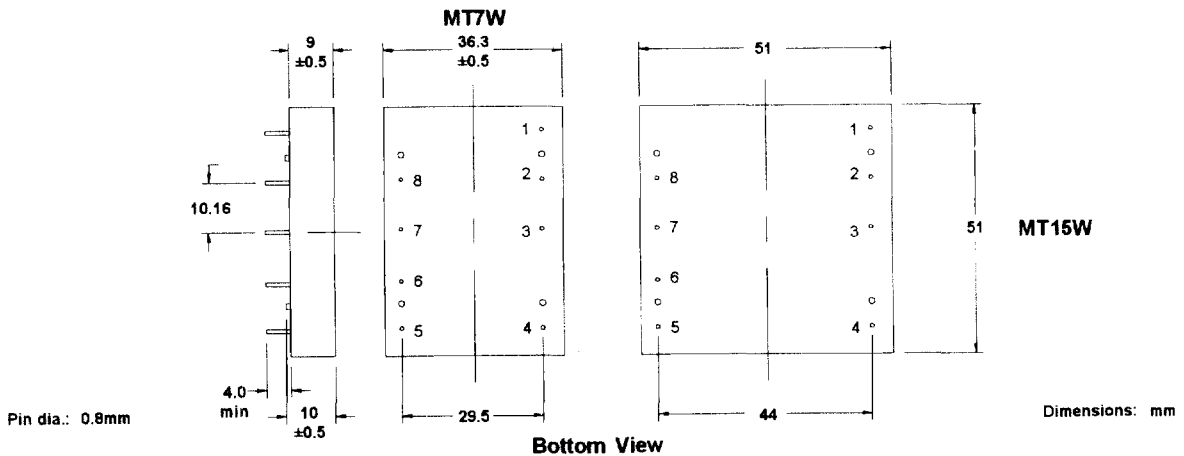
MT15W SERIES

MT15-2403S MT15-2405S MT15-2412S MT15-2415S MT15-2405W MT15-2412W MT15-2415W	15 WATT	24VDC (18-36V)	3.3VDC 5VDC 12VDC 15VDC ±5VDC ±12VDC ±15VDC	3.5A 2.6A 1.25A 1A ±1.3A ±600mA ±500mA	74% 75% 80% 80% 76% 78% 79%
MT15-4803S MT15-4805S MT15-4812S MT15-4815S MT15-4805W MT15-4812W MT15-4815W	15 WATT	48VDC (36-72V)	3.3VDC 5VDC 12VDC 15VDC ±5VDC ±12VDC ±15VDC	4A 3A 1.25A 1A ±1.3A ±600mA ±500mA	75% 80% 80% 80% 76% 78% 79%



Output Voltage Adjustment (TRM)

PIN CONNECTIONS		
PIN	SINGLE OUTPUT	DUAL OUTPUT
1	Case FG	Case FG
2	+V Input	+V Input
3	-V Input	-V Input
4	Ext. ON/OFF RC	Ext. ON/OFF RC
5	TRM	-V Output
6	NC	Common Output
7	-V Output	Common Output
8	+V Output	+V Output



Bottom View

Specifications subject to change without notice.



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