ECONOLINE DC/DC-Converter

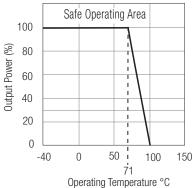
REC15-S_D/H*/M Series

Specifications (mea	asured at T _A = 25°	C, nominal	input voltage, fu	Ill load and a	fter warm-up)	
Isolation Voltage	H2-Suffix	(tested	(tested for 1 second)		2000VDC	
		· ·	or 1 minute**)		1000VAC / 60Hz	
	H3-Suffix	· ·	for 1 second)		3000VDC	
			or 1 minute**)		1500VAC / 60Hz	
Under Voltage Lockout (2:1)		12V Inp		DC-DC on 8.3VDC, DC-DC off 7.9VDC		
		24V Inp	out DC-DC	on 17.4VDC	DC-DC off 16.7VDC	
		48V Inp	out DC-DC	on 35.7VDC	DC-DC off 34.3VDC	
Under Voltage Lockout (4:1)		24V Inp	out DC-E	DC-DC on 8.3VDC, DC-DC off 7.9VDC		
		48V Inp	out DC-DC	on 17.4VDC	DC-DC off 16.7VDC	
Isolation Capacitance					1200pF typ.	
Isolation Resistance					1 G Ω min.	
Overload Protection					150% typ.	
Short Circuit Protection				Con	tinuous, Auto Restart	
Operating Temperature Range		4:1		-40°C to +65°C (see Graph)		
(free air convection)		2:1		-40°C t	o +71°C (see Graph)	
Storage Temperature R	ange				-55°C to +105°C	
Remote On/Off			C/DC ON Open or 3.5V <vr<12< td=""><td></td></vr<12<>			
		DC/DC	OFF	0	Short or OV <vr<1.2v< td=""></vr<1.2v<>	
Temperature Coefficien	t				±0.05% max.	
Relative Humidity					95% RH	
Case Material Nickel Plated Metal with Non-Conductive Bas					Ion-Conductive Base	
Thermal Impedance Na			convection		12°C/W	
Maximum Case Temper	rature				100°C	
Vibration			10	-55Hz, 2G, 3	Omins along X,Y & Z	
Package Weight					27g	
Packing Quantity					10 pcs per Tube	
MTBF (+25°C) (+71°C) Detailed Information see Application Notes chapter "N			using MIL-HDBK 2		>700 x 10 ³ hours	
		"MTBF"	using MIL-HDBł	< 217F	>150 x 10 ³ hours	
Certifications						
EN General Safety	EN General Safety Report: SPCLVD 120		1	EN60950-	1:2006 + A12:2011	
UL General Safety	Report: E22473	t: E224736			UL 60950-1 1st Ed.	
				C2:	2.2 No. 60950-1-03	
EN Modical Safaty	Papart: MDD10	060505				

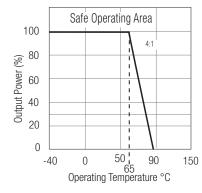
Derating-Graph

(Ambient Temperature)

2:1 Converters



4:1 Converters

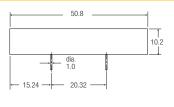


EN Medical Safety

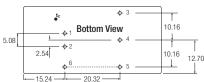
Report: MDD12060585 + RM1206085 IEC/EN 60601-1 3rd Edition; Medical Report + IS014971 Risk Assessment

Note: Refer to Application Notes for EMC Class B Filter suggestion

Package Style and Pinning (mm)







Pin #	Single	Dual
1	+Vin	+Vin
2	-Vin	–Vin
3	+Vout	+Vout
4	No Pin	Com
5	-Vout	-Vout
6	CTRL	CTRL
	± 0.5 mm ± 0.35 mm	

Pin Connections

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