

Specifications (measured at $T_A = 25^\circ\text{C}$, nominal input voltage, full load and after warm-up)

Input Surge Voltage (100ms max.)		12V Input	36VDC
		24V Input	50VDC
		48V Input	100VDC
Isolation Voltage	H2-Suffix and SMD	(tested for 1 second)	2000VDC
		(rated for 1 minute**)	1000VAC / 60Hz
	H3-Suffix	(tested for 1 second)	3000VDC
		(rated for 1 minute**)	1500VAC / 60Hz
Isolation Capacitance			1200pF typ.
Isolation Resistance			1 GΩ min.
Overload Protection			150% typ.
Short Circuit Protection			Continuous, Auto Restart
Operating Temperature Range (free air convection)	4:1	-40°C to +71°C (see Graph)	
	2:1	-40°C to +81°C (see Graph)	
Remote On/Off	DC/DC ON	Open or 3.5V<Vr<12V	
	DC/DC OFF	Short or 0V<Vr<1.2V	
Storage Temperature Range			-55°C to +105°C
Temperature Coefficient			±0.05% max.
Relative Humidity			95% RH
Case Material			Nickel Plated Metal with Non-Conductive Base
Thermal Impedance		Natural convection	15°C/W
Maximum Case Temperature			100°C
Vibration		10-55Hz, 2G, 30mins along X,Y & Z	
Package Weight			18g
Packing Quantity			15 pcs per Tube

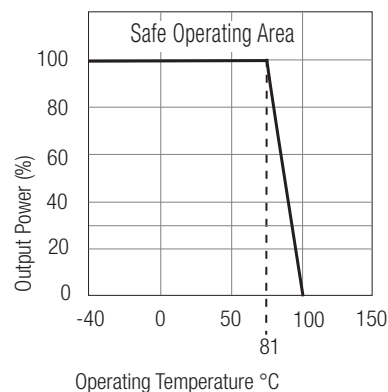
MTBF (+25°C) (+71°C)	Detailed Information see Application Notes chapter "MTBF"	using MIL-HDBK 217F	1000 x 10 ³ hours
		using MIL-HDBK 217F	>250 x 10 ³ hours

Certifications

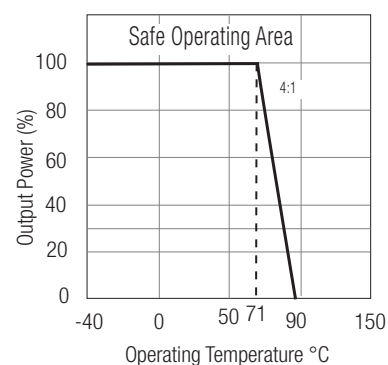
EN General Safety	Report: SPCLVD1211033-2	EN60950-1:2006 + A12:2011
UL General Safety	Report: E224736	UL 60950-1 1st Ed.
		C22.2 No. 60950-1-03
EN Medical Safety	Report: MDD12060585 + RM1206085	IEC/EN 60601-1 3rd Edition
		Medical Report + ISO14971 Risk Assessment

Derating-Graph (Ambient Temperature)

2:1 Converters

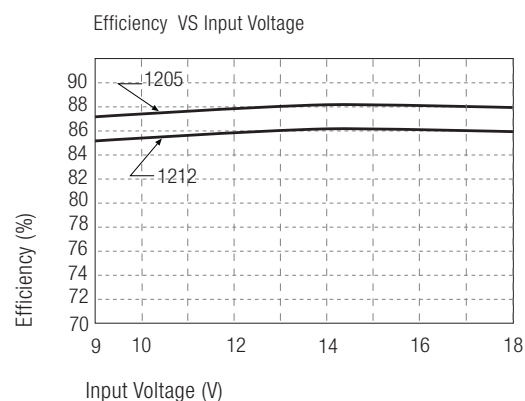
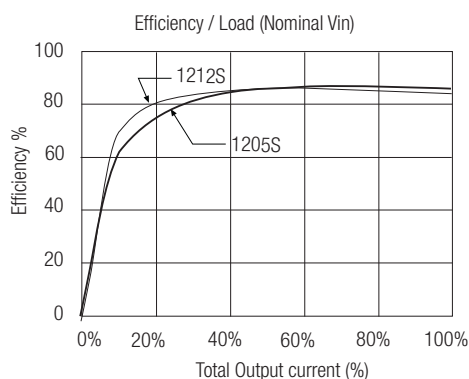


4:1 Converters



Typical Characteristics

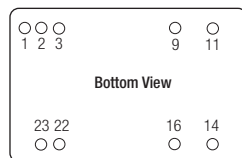
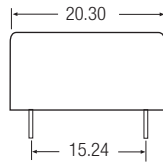
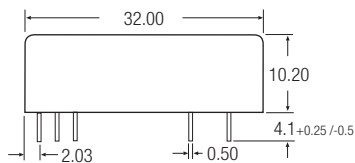
REC10-1205SRW/H2/A/M (/SMD) REC10-1212SRW/H2/A/M (/SMD)



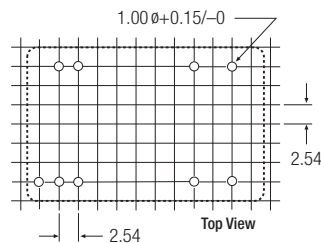
Note: Refer to Application Notes for EMC Class B Filter suggestion

Package Style and Pinning (mm)

24 PIN DIP Package - Available with /H2 and /H3 Options



Recommended Footprint Details



Pin Connections DIP24

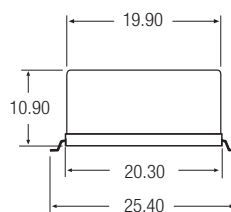
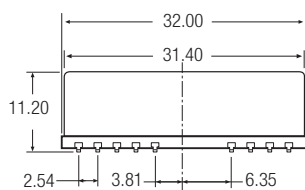
Pin #	Single	Single/X2	Dual
1	CTRL	No Pin	CTRL
2	-Vin	-Vin	-Vin
3	-Vin	-Vin	-Vin
9	NC	No Pin	Com
11	NC	NC	-Vout
14	+Vout	+Vout	+Vout
16	-Vout	-Vout	Com
22	+Vin	+Vin	+Vin
23	+Vin	+Vin	+Vin

NC = No Connection

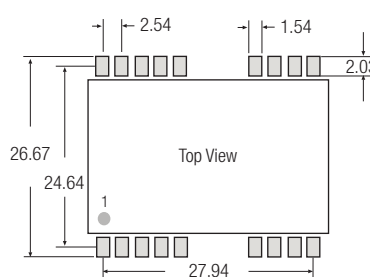
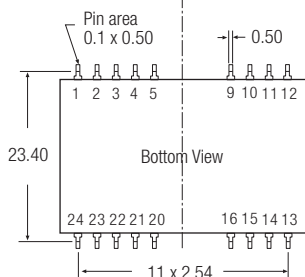
XX.X ± 0.5 mm

XX.XX ± 0.25 mm

24 PIN SMD Package- Only available with /H2 Option



Recommended Footprint Details



Pin Connections DIP24 SMD

Pin #	Single	Dual
1	CTRL	CTRL
2	-Vin	-Vin
3	-Vin	-Vin
9	NC	Com
11	NC	-Vout
14	+Vout	+Vout
16	-Vout	Com
22	+Vin	+Vin
23	+Vin	+Vin
4,5,10,12	NC	
13,15,20,21,24	NC	

NC = No Connection

XX.X ± 0.5 mm

XX.XX ± 0.25 mm