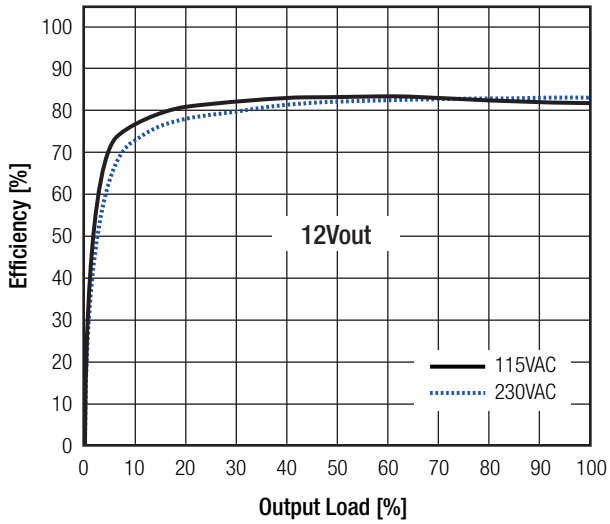
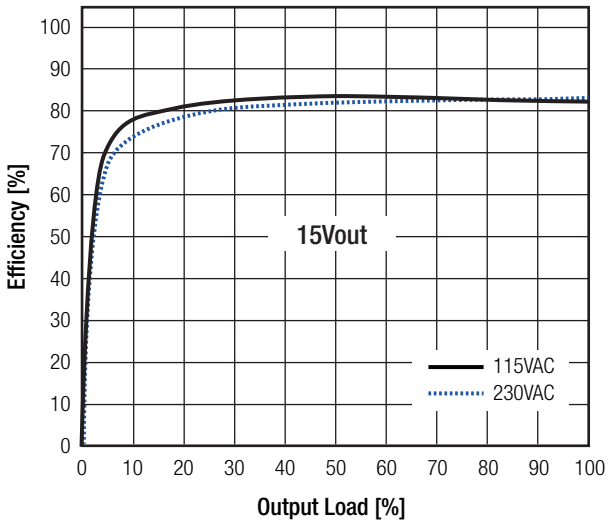
Specifications (measured @ Ta= 25°C, nom. Vin, full load and after warm-up unless otherwise stated)

Efficiency vs. Load

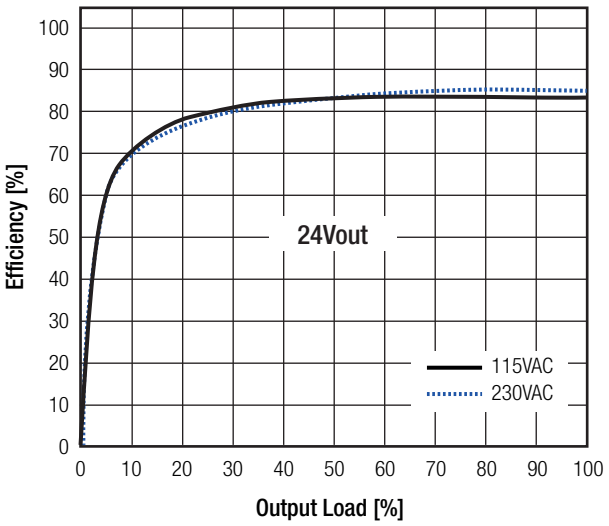
RAC05-12SK/C14



RAC05-15SK/C14



RAC05-24SK/C14



REGULATIONS		
Parameter	**Condition**	**Value**
Output Accuracy		±2.0% typ.
Line Regulation	low line to high line, full load	±0.5% typ.
Load Regulation	10% to 100% load	±1.0% typ.
Transient Response	25% load step change recovery time	4.0% max. 500µs typ.

Specifications (measured @ Ta= 25°C, nom. Vin, full load and after warm-up unless otherwise stated)

PROTECTIONS

Parameter	Type		Value
Input Fuse [5]	internal		T1A, slow blow
Short Circuit Protection (SCP)	below 100mΩ		Hiccup, automatic restart
Over Voltage Protection (OVP)			125% - 195%, Latch-off
Over Voltage Category			OVCII
Over Current Protection (OCP)			125% - 195%, Hiccup auto recovery
Class of Equipment			Class I
Isolation Voltage [6]	I/P to O/P; I/P to Case (GND)	rated for 1 minute	3kVAC
Isolation Resistance			1GΩ min.
Isolation Capacitance			100pF max.
Insulation Grade			reinforced
Leakage Current			0.25mA max.

Notes:

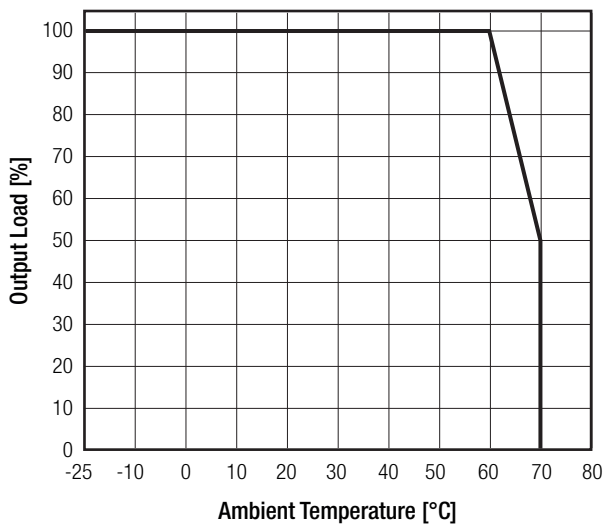
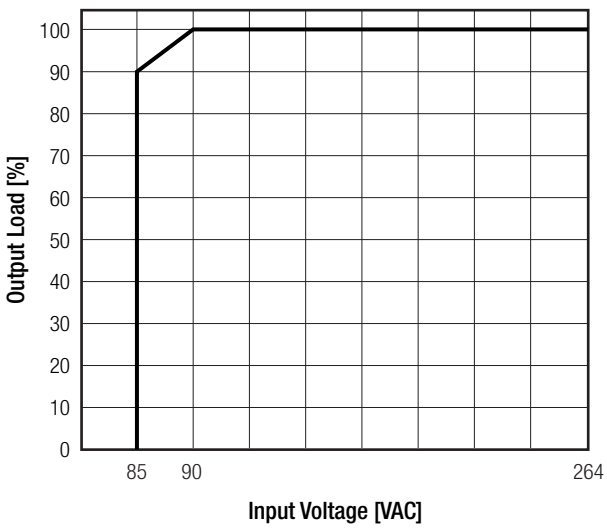
Note5: Refer to local safety regulations if input over-current protection is also required

Note6: For repeat Hi-Pot testing, reduce the time and/or the test voltage

ENVIRONMENTAL

Parameter	Condition		Value
Operating Temperature Range	@ natural convection 0.1m/s	full load	-25°C to +60°C
		refer to derating graph	-25°C to +70°C
Maximum Case Temperature			+90°C
Temperature Coefficient			±0.05%/K
Operating Altitude			3000m
Operating Humidity	non-condensing		% - % RH max.
Pollution Degree			PD2
Vibration	10-500Hz, 2G 10min./ 1 cycle, period o 60min. each along X,Y and Z axes		
MTBF	according to MIL-HDBK-217F, G.B.	+25°C	450 x 10^3 hours
		+50°C	250 x 10^3 hours
Design Lifetime			136 x 10^3 hours

Derating Graph
(@ Chamber and natural convection 0.1m/s)



Line Derating