

OUTPUT (LOAD) SPECIFICATION

	Min	Max	Unit
Operating Range			
DS6R3E	2	60	Vdc
DS22R1E	2	220	Vdc
Peak Voltage			
DS6R3E		60	Vpeak
DS22R1E		220	Vpeak
Load Current Range			
DS6R3E	.005	3	A
DS22R1E	.005	1	A
Maximum Surge Current Rating (Non-Repetitive)			
DS6R3E		10	Apeak
DS22R1E		5	Apeak
On-State Voltage Drop			
		1.6	Vdc
Off-State Leakage Current			
		1	mA
Turn-On Time			
DS6R3E	200		μs
DS22R1E	300		μs
Turn-Off Time			
DS6R3E	800		μs
DS22R1E	2000		μs
Off-State dv/dt			
	200		V/μs
Switching Frequency			
DS6R3E	0	500	Hz
DS22R1E	0	400	Hz

LOAD CURRENT DERATING CURVES

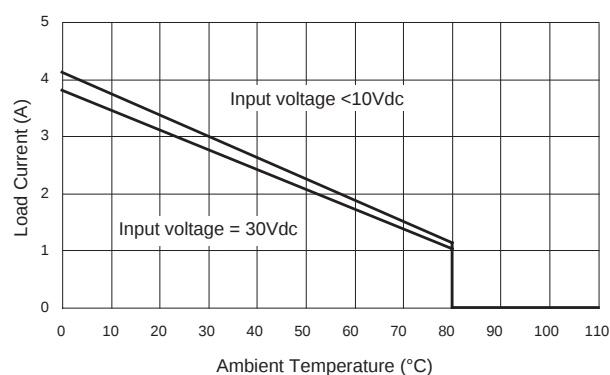


Figure 4a — DS6R3E thermal curves

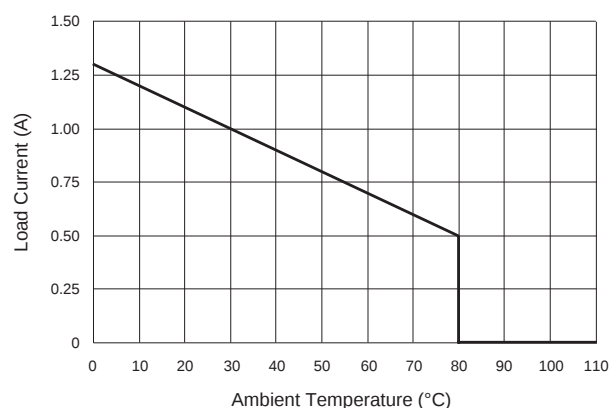


Figure 4b — DS22R1E thermal curves

ENVIRONMENTAL SPECIFICATION

	Min	Max	Unit
Operating Temperature	-40	80	°C
Storage Temperature	-40	105	°C
Input-Output Isolation		2500	Vrms
Input-Output Capacitance		8	pF

NOTES:

1. Electrical specifications at 25°C unless otherwise specified.
2. On inductive loads, a free-wheeling diode (or clamp) is recommended.
3. For additional/custom options, contact factory.