Unit 2 — Power Rating and Heat Sinking Components

TRUE/FALSE

1.	Heat sinks vary in size and shape, but have only one purpose.				
	ANS: T	PTS:	1	REF:	Heat Sinks
2.	The purpose of a heat sink is to decrease the surface area of the device connected to it.				
	ANS: F	PTS:	1	REF:	Heat Sinks
3.	. The surface of the device and heat sink may look perfectly flat to the naked eye.				
	ANS: T	PTS:	1	REF:	Heat Sinks
4.	Using thermal compound when heat sinking components is not a necessity.				
	ANS: F	PTS:	1	REF:	Heat Sinks
5.	. Small heat sinks are generally used when a component is operated at its lowest power rating.				
	ANS: F	PTS:	1	REF:	Heat Sinks
MULTIPLE CHOICE					
1.	Electrical and electrona. volts b. ohms	onic con	nponents have a	c.	rating measured in watts amps
	ANS: C	PTS:	1		Power Rating
2.	The rating indicates a. power b. energy	cates the	e amount of hea	c.	he component can dissipate before damage occurs. resistance current
	ANS: A	PTS:	1	REF:	Power Rating
3.	3. The thermal compound that is greasy and generally white in color is made from a. sodium oxide				
	ANS: D	PTS:	1	REF:	Heat Sinks
4.	 4. When a component is mounted to a heat sink, is generally used to ensure a good ther between the device and the heat sink. a. thermal compound b. insulation compound c. resistance compound d. break compound 				
	ANS: A	PTS:	1		Heat Sinks
5.	is used to fill in a. Insulation comp		ps between the		faces and provide good thermal contact. Break compound

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b. Thermal compound d. Lock compound

ANS: B PTS: 1 REF: Heat Sinks