ch2:	-Res	istar	ice
	Ohm's		

1. ohm's.	Pall) 8-
1-041111-0-	-	

*Resistances-

- The SI unit of resistance (R) is the (D) ohm.

VaI

V-RI

--丁-- 治

ohms-13 the electric resistance of a conductor is if an applied voltage of IV causes accurrent of IATO FLOW.

the inversed resistance is ealled conductance(G)

G = 1

The SI the unit of conductance (5), (T)

 $T = \frac{V}{\Omega} = GV$

2. Resistivity:

+ directly proportional to the length of the conductor

Ral

inversely Proportional to the cross-sectional area

-Ral

PAR-PAM

EX:-A 100W 1 120 V, What is	light hulbda Lits resista	W3 0,8331	f at
I=0,833	V=120V	R=7	
EX:-A60W 11 With 120 V app	ght bulb has lied, what is	a 240 or rect	Sistance 9
I=\frac{1}{120} = 120	All the state of t	The state of the s	
conductors			
-A good conduction - Silver: The b			
			ductors 12 le 90
Insulators - Materials u are called In	Th rps: Stivity	erenter Th	an 10-12-m
*Semiconduc	tors-such as	3 31,6	Mary Surface with the
> 105 Semi	>10- G-1	P.	
-G-6A	42		conductive conductive
1	conductivity	(d) is the (e	5/m)

the wire at o	what will h		1 T=0 14T,	En la constant de la
$T_1 = 50 \circ C \rightarrow T_2 = 100 \circ C \rightarrow C$	R=50 R=60 6		2=R,[1+0	([15_1]]
R2=R,[1+0	[72-T]			
5- R, +0, R,	50			
6=R,+a,R,10				-
5 - X.[1+		5/-	1+50d.	-
- X ₁ [1-	100	- X -	1+100d, 5+10-3	
		R2=	40 *	
+.Resistors isocircuito resistance	08- omponent that . <		DECOUSE O	
	NS*			
		7.		

