



# DATA SHEET

## 2Watt Cement Resistor Radial Style

### Serie: X43001

**2Watt Cement Resistor Radial Style**

Serie No.: **X43001**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	12.01.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

# EDCON-COMPONENTS



## Specifications

Temperature Coefficient:	< 20Ω: ±400PPM/°C; ≥20Ω: ±350PPM/°C
Short Time Overload:	± (5,0% + 0,05Ω) Max., with no evidence of mechanical damage
Dielectric Withstanding Voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown.
Terminal Strength:	No evidence of mechanical damage.
Resistance to Soldering Heat:	± (1,0% + 0,05Ω) Max., with no evidence of mechanical damage.
Solderability:	Min. 95% coverage.
Temperature Cycling:	± (2,0% + 0,05Ω) Max., with no evidence of mechanical damage.
Humidity (Steady Style):	± (5,0% + 0,05Ω) Max., with no evidence of mechanical damage.
Load Life in Humidity:	Wire Wound ±(5% + 0,05) Max. Power Film <100KΩ: ±(5,0% + 0,05) Max. ≥100KΩ: ±(10,0% + 0,05) Max.
Load Life	Wire Wound ±(5% + 0,05) Max. Power Film <100KΩ: ±(5,0% + 0,05) Max. ≥100KΩ: ±(10,0% + 0,05) Max.
Max. Working Voltage:	500Volt
Max. Overload Voltage:	1000Volt

**2Watt Cement Resistor Radial Style**

Part No.: **X43001**

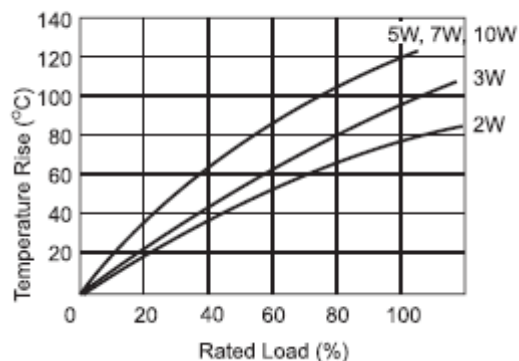
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	12.01.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 5		

# EDCON-COMPONENTS



## Heat Rise Chart

Heat Rise Chart (PRW)



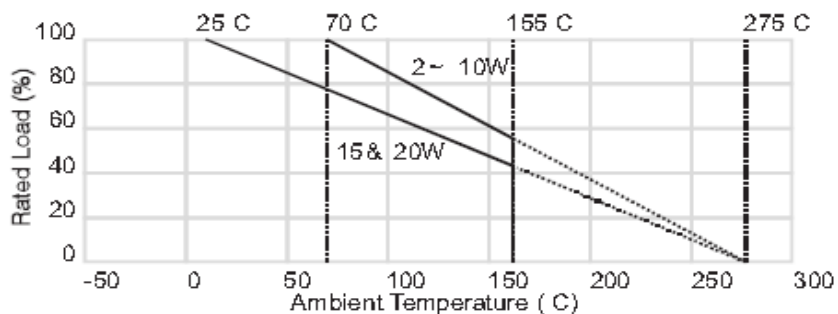
## Technical Drawing



## Dimensions

Dimension (mm)					Resistance Range
$W \pm 1$	$D \pm 1$	$L \pm 1$	$d \pm 0,05$	$P \pm 1$	Wire Wound
11,5	7,5	20	0,75	5	0,1Ω ~27Ω

## Derating Curve



**2Watt Cement Resistor Radial Style**

Part No.: **X43001**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	12.01.2011	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	3 from 5		

# EDCON-COMPONENTS



## Ordering Informations

Serie	Range	Tolerance	Lead Style	Special	ROHS	Packing Code				
-------	-------	-----------	------------	---------	------	--------------	--	--	--	--

<b>X43001</b>	<b>270</b>	<b>K</b>	<b>LL</b>	<b>S</b>	<b>R</b>	<b>BU</b>				
---------------	------------	----------	-----------	----------	----------	-----------	--	--	--	--

270= Range 27Ω	K= Tol. 10%	LL= Long Lead	S= Standard	R= ROHS Conform	BU= Bulk Ware
	J= Tol. 5%	XX= Customer Special	I= Non Inductive	N= NON ROHS Conform	BX= Box Ware
Resistance Range from 0,1Ω ~ 27Ω					

<b>2Watt Cement Resistor Radial Style</b>
Part No.: <b>X43001</b>
Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	12.01.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.		4 from 5



Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



<b>2Watt Cement Resistor Radial Style</b>	
Part No.:	<b>X43001</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	12.01.2011
APPD:	Schumi			FINISH	Jamy		Sheet No.	5 from 5	