

Features

- D²PAK housing
- Low inductance
- Resistor electrically isolated from the backplate
- High power rating
- Compatible with lead free solder reflow temperatures
- AEC-Q200 compliant
- RoHS compliant*

PWR263S-20 Series Power Resistor

General Information

Bourns® PWR263S-20 Series is a TO263 DPAK style power resistor manufactured using thick film on alumina ceramic technology, and used in current measurement, snubber, bleeder and discharge circuits.

Electrical & Thermal Characteristics

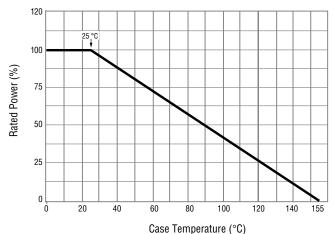
Parameter	Value(s)
Resistance	$0.02~\Omega$ to $130~\text{K}\Omega$
(See Popular Resistance Values table)	
Power Rating @ 25 °C Case Temperature	20 W
Tolerance	±1 %**, ±5 %
TCR	
0.02 Ω <r<130.0k td="" ω<=""><td>±100 PPM/°C</td></r<130.0k>	±100 PPM/°C
Thermal Resistance - Rthj	6.5 °C/W
Inductance	0.1 μH maximum
Operating Voltage	√P*R with a maximum of 250 V
Dielectric Strength	2 KV AC
Insulation Resistance	10 GΩ
Operating Temperature	-55 °C to 155 °C

^{**} Available for most values. Check Popular Resistance Values table.

Reliability Characteristics

Parameter	Specification	
Short Term Overload (2x Pr for R < 2 Ω ,	ΛR ±0.25 %	
1.6 x Pr for R ≥ 2 Ω , V < 1.5 x Operating Voltage)	ΔR ±0.25 %	
Load Life (1000 hours at rated power)	ΔR ±1.0 %	
Thermal Shock (-55 °C to 155 °C, 5 cycles)	ΔR ±0.5 %	
Resistance to Soldering Heat (10 seconds at	ΛB ±0.5 %	
270 °C)	ΔH ±0.5 /8	
Vibration (20 G 10-2000 Hz .06 " D.A.)	ΔR ±0.25 %	
Moisture Sensitivity Level	1	

Power Derating Curve





WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.

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Material Characteristics

Resistor	Thick film
Substrate	Alumina (AL203)
Housing	Epoxy
Pins	.Tinned Copper (Sn/Cu)
Flammability	Conforms to UL-94V0

Popular Resistance Values

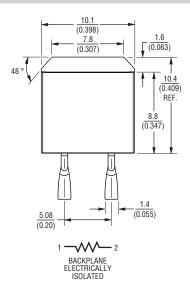
Code Resistance Value Code Value Resistance Value R020 $0.02 \Omega^{***}$ 1000 100 Ω R025 $0.025 \Omega^{***}$ 1200 120 Ω R030 $0.03 \Omega^{***}$ 1500 150 Ω R033 $0.033 \Omega^{***}$ 2000 200 Ω R040 $0.04 \Omega^{***}$ 2500 250 Ω R050 $0.05 \Omega^{***}$ 3000 300 Ω R075 $0.075 \Omega^{***}$ 3300 330 Ω R100 0.1Ω 4000 400 Ω R150 0.15Ω 4700 470 Ω R200 0.2Ω 5000 500 Ω R250 0.25Ω 5600 560 Ω R300 0.3Ω 7500 750 Ω R330 0.33Ω 1501 1.5 K Ω R400 0.4Ω 1501 1.5 K Ω R500 0.5Ω 2001 2.0 K Ω R750 0.75Ω 2501 2.5 K Ω 1R50						
R025 0.025 Ω^{***} 1200 120 Ω R030 0.03 Ω^{***} 1500 150 Ω R033 0.033 Ω^{***} 2000 200 Ω R040 0.04 Ω^{****} 2500 250 Ω R050 0.05 Ω^{****} 3000 300 Ω R075 0.075 Ω^{****} 3300 330 Ω R100 0.1 Ω 4000 400 Ω R150 0.15 Ω 4700 470 Ω R200 0.2 Ω 5000 500 Ω R250 0.25 Ω 5600 560 Ω R300 0.3 Ω 7500 750 Ω R330 0.33 Ω 1001 1.0 K Ω R400 0.4 Ω 1501 1.5 K Ω R500 0.5 Ω 2001 2.0 K Ω R750 0.75 Ω 2501 2.5 K Ω 1R00 1 Ω 3001 3.0 K Ω 1R50 1.5 Ω 3301 3.3 K Ω 2R00 2 Ω <td< th=""><th>Code</th><th>Value</th><th>Code</th><th></th></td<>	Code	Value	Code			
R030 0.03 Ω*** 1500 150 Ω R033 0.033 Ω*** 2000 200 Ω R040 0.04 Ω*** 2500 250 Ω R050 0.05 Ω*** 3000 300 Ω R075 0.075 Ω*** 3300 330 Ω R100 0.1 Ω 4000 400 Ω R150 0.15 Ω 4700 470 Ω R200 0.2 Ω 5000 500 Ω R250 0.25 Ω 5600 560 Ω R300 0.3 Ω 7500 750 Ω R330 0.33 Ω 1001 1.0 ΚΩ R400 0.4 Ω 1501 1.5 ΚΩ R500 0.5 Ω 2001 2.0 ΚΩ R750 0.75 Ω 2501 2.5 ΚΩ 1R00 1 Ω 3001 3.0 ΚΩ 1R50 1.5 Ω 3301 3.3 ΚΩ 2R00 2 Ω 4001 4.0 ΚΩ 2R50 2.5 Ω 5001 5.0 ΚΩ 3R00 3 Ω <td>R020</td> <td></td> <td>1000</td> <td>100 Ω</td>	R020		1000	100 Ω		
R033 0.033 Ω^{***} 2000 200 Ω R040 0.04 Ω^{****} 2500 250 Ω R050 0.05 Ω^{****} 3000 300 Ω R075 0.075 Ω^{****} 3300 330 Ω R100 0.1 Ω 4000 400 Ω R150 0.15 Ω 4700 470 Ω R200 0.2 Ω 5000 500 Ω R250 0.25 Ω 5600 560 Ω R300 0.3 Ω 7500 750 Ω R330 0.33 Ω 1001 1.0 K Ω R400 0.4 Ω 1501 1.5 K Ω R500 0.5 Ω 2001 2.0 K Ω R750 0.75 Ω 2501 2.5 K Ω 1R00 1 Ω 3001 3.0 K Ω 1R50 1.5 Ω 3301 3.3 K Ω 2R00 2 Ω 4001 4.0 K Ω 2R50 2.5 Ω 5001 5.0 K Ω 3R30 3.3 Ω 1002	R025		1200	120 Ω		
R040 $0.04 \Omega^{***}$ 2500 250 Ω R050 $0.05 \Omega^{***}$ 3000 300 Ω R075 $0.075 \Omega^{***}$ 3300 330 Ω R100 0.1Ω 4000 400 Ω R150 0.15Ω 4700 470 Ω R200 0.2Ω 5000 500 Ω R250 0.25Ω 5600 560 Ω R300 0.3Ω 7500 750 Ω R330 0.33Ω 1001 1.0 ΚΩ R400 0.4Ω 1501 1.5 ΚΩ R500 0.5Ω 2001 2.0 ΚΩ R750 0.75Ω 2501 2.5 ΚΩ 1R00 1 Ω 3001 3.0 ΚΩ 1R50 1.5 Ω 3301 3.3 ΚΩ 2R00 2 Ω 4001 4.0 ΚΩ 2R50 2.5 Ω 5001 5.0 ΚΩ 3R00 3 Ω 7501 7.5 ΚΩ 3R00 3 Ω 7501 7.5 ΚΩ 3R00 <td>R030</td> <td></td> <td>1500</td> <td>150 Ω</td>	R030		1500	150 Ω		
R050 $0.05 \Omega^{***}$ 3000 300 $ \Omega$ R075 $0.075 \Omega^{***}$ 3300 330 $ \Omega$ R100 0.1Ω 4000 400 $ \Omega$ R150 0.15Ω 4700 470 $ \Omega$ R200 0.2Ω 5000 500 $ \Omega$ R250 0.25Ω 5600 560 $ \Omega$ R300 0.3Ω 7500 750 $ \Omega$ R330 0.33Ω 1001 1.0 K $ \Omega$ R400 0.4Ω 1501 1.5 K $ \Omega$ R500 0.5Ω 2001 2.0 K $ \Omega$ R750 0.75Ω 2501 2.5 K $ \Omega$ 1R00 1 $ \Omega$ 3001 3.0 K $ \Omega$ 1R50 1.5 $ \Omega$ 3301 3.3 K $ \Omega$ 2R00 2 $ \Omega$ 4001 4.0 K $ \Omega$ 2R50 2.5 $ \Omega$ 5001 5.0 K $ \Omega$ 3R00 3 $ \Omega$ 7501 7.5 K $ \Omega$ 3R00 3 $ \Omega$ 7501 7.5 K $ \Omega$ 3R00	R033		2000	200 Ω		
R075 0.075 Ω^{***} 3300 330 Ω R100 0.1 Ω 4000 400 Ω R150 0.15 Ω 4700 470 Ω R200 0.2 Ω 5000 500 Ω R250 0.25 Ω 5600 560 Ω R300 0.3 Ω 7500 750 Ω R330 0.33 Ω 1001 1.0 K Ω R400 0.4 Ω 1501 1.5 K Ω R500 0.5 Ω 2001 2.0 K Ω R750 0.75 Ω 2501 2.5 K Ω 1R00 1 Ω 3001 3.0 K Ω 1R50 1.5 Ω 3301 3.3 K Ω 2R00 2 Ω 4001 4.0 K Ω 2R50 2.5 Ω 5001 5.0 K Ω 3R30 3.3 Ω 1002 10 K Ω 4R00 4 Ω 1502 15 K Ω 3R30 3.3 Ω 1002 10 K Ω 4R00 4 Ω 1502 25 K Ω </td <td>R040</td> <td></td> <td>2500</td> <td>250 Ω</td>	R040		2500	250 Ω		
R100 0.1Ω 4000 400 Ω R150 0.15Ω 4700 470 Ω R200 0.2Ω 5000 500 Ω R250 0.25Ω 5600 560 Ω R300 0.3Ω 7500 750 Ω R330 0.33Ω 1001 1.0 KΩ R400 0.4Ω 1501 1.5 KΩ R500 0.5Ω 2001 2.0 KΩ R750 0.75Ω 2501 2.5 KΩ 1R00 1Ω 3001 3.0 KΩ 1R50 1.5Ω 3301 3.3 KΩ 2R00 2Ω 4001 4.0 KΩ 2R50 2.5Ω 5001 5.0 KΩ 3R00 3Ω 7501 7.5 KΩ 3R30 3.3Ω 1002 10 KΩ 4R00 4Ω 1502 15 KΩ 5R00 5Ω 2002 20 KΩ 7R50 7.5Ω 2502	R050		3000	300 Ω		
R150 0.15Ω 4700 470Ω R200 0.2Ω 5000 500Ω R250 0.25Ω 5600 560Ω R300 0.3Ω 7500 750Ω R330 0.33Ω 1001 $1.0 K\Omega$ R400 0.4Ω 1501 $1.5 K\Omega$ R500 0.5Ω 2001 $2.0 K\Omega$ R750 0.75Ω 2501 $2.5 K\Omega$ 1R00 1Ω 3001 $3.0 K\Omega$ 1R50 1.5Ω 3301 $3.3 K\Omega$ 2R00 2Ω 4001 $4.0 K\Omega$ 2R50 2.5Ω 5001 $5.0 K\Omega$ 3R00 3Ω 7501 $7.5 K\Omega$ 3R30 3.3Ω 1002 $10 K\Omega$ 4R00 4Ω 1502 $15 K\Omega$ 5R00 5Ω 2002 $20 K\Omega$ 7R50 7.5Ω 2502 $25 K\Omega$ 8R00 8Ω 3002	R075	0.075 Ω***	3300	330 Ω		
R200 0.2Ω 5000 500 Ω R250 0.25Ω 5600 560 Ω R300 0.3Ω 7500 750 Ω R330 0.33Ω 1001 $1.0 \text{ K}\Omega$ R400 0.4Ω 1501 $1.5 \text{ K}\Omega$ R500 0.5Ω 2001 $2.0 \text{ K}\Omega$ R750 0.75Ω 2501 $2.5 \text{ K}\Omega$ 1R00 1Ω 3001 $3.0 \text{ K}\Omega$ 1R50 1.5Ω 3301 $3.3 \text{ K}\Omega$ 2R00 2Ω 4001 $4.0 \text{ K}\Omega$ 2R50 2.5Ω 5001 $5.0 \text{ K}\Omega$ 3R00 3Ω 7501 $7.5 \text{ K}\Omega$ 3R30 3.3Ω 1002 $10 \text{ K}\Omega$ 4R00 4Ω 1502 $15 \text{ K}\Omega$ 5R00 5Ω 2002 $20 \text{ K}\Omega$ 7R50 7.5Ω 2502 $25 \text{ K}\Omega$ 8R00 8Ω 3002 $30 \text{ K}\Omega$ 10R0 10Ω 3302	R100	0.1 Ω	4000	400 Ω		
R250 0.25Ω 5600 560 Ω R300 0.3Ω 7500 750 Ω R330 0.33Ω 1001 $1.0 \text{ K}\Omega$ R400 0.4Ω 1501 $1.5 \text{ K}\Omega$ R500 0.5Ω 2001 $2.0 \text{ K}\Omega$ R750 0.75Ω 2501 $2.5 \text{ K}\Omega$ 1R00 1Ω 3001 $3.0 \text{ K}\Omega$ 1R50 1.5Ω 3301 $3.3 \text{ K}\Omega$ 2R00 2Ω 4001 $4.0 \text{ K}\Omega$ 2R50 2.5Ω 5001 $5.0 \text{ K}\Omega$ 3R00 3Ω 7501 $7.5 \text{ K}\Omega$ 3R30 3.3Ω 1002 $10 \text{ K}\Omega$ 4R00 4Ω 1502 $15 \text{ K}\Omega$ 5R00 5Ω 2002 $20 \text{ K}\Omega$ 7R50 7.5Ω 2502 $25 \text{ K}\Omega$ 8R00 8Ω 3002 $30 \text{ K}\Omega$ 12R0 10Ω 3302 $33 \text{ K}\Omega$ 12R0 15Ω <td< td=""><td>R150</td><td>0.15 Ω</td><td>4700</td><td>470 Ω</td></td<>	R150	0.15 Ω	4700	470 Ω		
R300 0.3Ω 7500 750 Ω R330 0.33Ω 1001 $1.0 K\Omega$ R400 0.4Ω 1501 $1.5 K\Omega$ R500 0.5Ω 2001 $2.0 K\Omega$ R750 0.75Ω 2501 $2.5 K\Omega$ 1R00 1Ω 3001 $3.0 K\Omega$ 1R50 1.5Ω 3301 $3.3 K\Omega$ 2R00 2Ω 4001 $4.0 K\Omega$ 2R50 2.5Ω 5001 $5.0 K\Omega$ 3R00 3Ω 7501 $7.5 K\Omega$ 3R30 3.3Ω 1002 $10 K\Omega$ 4R00 4Ω 1502 $15 K\Omega$ 5R00 5Ω 2002 $20 K\Omega$ 7R50 7.5Ω 2502 $25 K\Omega$ 8R00 8Ω 3002 $30 K\Omega$ 10R0 10Ω 3302 $33 K\Omega$ 12R0 12Ω 4002 $40 K\Omega$ 15R0 15Ω 4702 $47 K\Omega$	R200	-	5000	500 Ω		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	R250	0.25 Ω	5600	560 Ω		
R400 0.4Ω 1501 $1.5 K\Omega$ R500 0.5Ω 2001 $2.0 K\Omega$ R750 0.75Ω 2501 $2.5 K\Omega$ 1R00 1Ω 3001 $3.0 K\Omega$ 1R50 1.5Ω 3301 $3.3 K\Omega$ 2R00 2Ω 4001 $4.0 K\Omega$ 2R50 2.5Ω 5001 $5.0 K\Omega$ 3R00 3Ω 7501 $7.5 K\Omega$ 3R30 3.3Ω 1002 10 KΩ 4R00 4Ω 1502 15 KΩ 5R00 5Ω 2002 20 KΩ 7R50 7.5Ω 2502 25 KΩ 8R00 8Ω 3002 30 KΩ 10R0 10 Ω 3302 33 KΩ 12R0 12 Ω 4002 40 KΩ 15R0 15 Ω 4702 47 KΩ 20R0 20 Ω 5002 50 KΩ 25R0 25 Ω 5602 56 KΩ 27R0	R300	0.3 Ω	7500	750 Ω		
R500 0.5Ω 2001 $2.0 \text{ K}\Omega$ R750 0.75Ω 2501 $2.5 \text{ K}\Omega$ 1R00 1 Ω 3001 $3.0 \text{ K}\Omega$ 1R50 1.5 Ω 3301 $3.3 \text{ K}\Omega$ 2R00 2 Ω 4001 $4.0 \text{ K}\Omega$ 2R50 2.5 Ω 5001 $5.0 \text{ K}\Omega$ 3R00 3 Ω 7501 $7.5 \text{ K}\Omega$ 3R30 3.3 Ω 1002 10 $K\Omega$ 4R00 4 Ω 1502 15 $K\Omega$ 5R00 5 Ω 2002 20 $K\Omega$ 7R50 7.5 Ω 2502 25 $K\Omega$ 8R00 8 Ω 3002 30 $K\Omega$ 10R0 10 Ω 3302 33 $K\Omega$ 12R0 12 Ω 4002 40 $K\Omega$ 15R0 15 Ω 4702 47 $K\Omega$ 20R0 20 Ω 5002 50 $K\Omega$ 25R0 25 Ω 5602 56 $K\Omega$ 27R0 27 Ω 6802 68 $K\Omega$	R330	0.33 Ω	1001	1.0 ΚΩ		
R750 0.75Ω 2501 $2.5 K\Omega$ 1R00 1 Ω 3001 $3.0 K\Omega$ 1R50 1.5 Ω 3301 $3.3 K\Omega$ 2R00 2 Ω 4001 $4.0 K\Omega$ 2R50 2.5 Ω 5001 $5.0 K\Omega$ 3R00 3 Ω 7501 $7.5 K\Omega$ 3R30 3.3 Ω 1002 10 $K\Omega$ 4R00 4 Ω 1502 15 $K\Omega$ 5R00 5 Ω 2002 20 $K\Omega$ 7R50 7.5 Ω 2502 25 $K\Omega$ 8R00 8 Ω 3002 30 $K\Omega$ 10R0 10 Ω 3302 33 $K\Omega$ 12R0 12 Ω 4002 40 $K\Omega$ 15R0 15 Ω 4702 47 $K\Omega$ 20R0 20 Ω 5002 50 $K\Omega$ 25R0 25 Ω 5602 56 $K\Omega$ 27R0 27 Ω 6802 68 $K\Omega$ 30R0 30 Ω 7502 75 $K\Omega$ <	R400	0.4 Ω	1501	1.5 KΩ		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	R500	0.5 Ω	2001	2.0 ΚΩ		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	R750	0.75 Ω	2501	2.5 ΚΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1R00	1 Ω	3001	3.0 KΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1R50	1.5 Ω	3301	3.3 ΚΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2R00	2 Ω	4001	4.0 KΩ		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2R50	2.5 Ω	5001	5.0 KΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3R00	3 Ω	7501	7.5 KΩ		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3R30	3.3 Ω	1002	10 KΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	4R00	4 Ω	1502	15 KΩ		
8R00 8 Ω 3002 30 ΚΩ 10R0 10 Ω 3302 33 ΚΩ 12R0 12 Ω 4002 40 ΚΩ 15R0 15 Ω 4702 47 ΚΩ 20R0 20 Ω 5002 50 ΚΩ 25R0 25 Ω 5602 56 ΚΩ 27R0 27 Ω 6802 68 ΚΩ 30R0 30 Ω 7502 75 ΚΩ 33R0 33 Ω 8202 82 ΚΩ 40R0 40 Ω 1003 100 ΚΩ 47R0 47 Ω 1153 115 ΚΩ 50R0 50 Ω 1203 120 ΚΩ 56R0 56 Ω 1253 125 ΚΩ	5R00	5 Ω	2002	20 ΚΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	7R50	7.5 Ω	2502	25 ΚΩ		
12R0 12 Ω 4002 40 ΚΩ 15R0 15 Ω 4702 47 ΚΩ 20R0 20 Ω 5002 50 ΚΩ 25R0 25 Ω 5602 56 ΚΩ 27R0 27 Ω 6802 68 ΚΩ 30R0 30 Ω 7502 75 ΚΩ 33R0 33 Ω 8202 82 ΚΩ 40R0 40 Ω 1003 100 ΚΩ 47R0 47 Ω 1153 115 ΚΩ 50R0 50 Ω 1203 120 ΚΩ 56R0 56 Ω 1253 125 ΚΩ	8R00	8 Ω	3002	30 KΩ		
15R0 15 Ω 4702 47 ΚΩ 20R0 20 Ω 5002 50 ΚΩ 25R0 25 Ω 5602 56 ΚΩ 27R0 27 Ω 6802 68 ΚΩ 30R0 30 Ω 7502 75 ΚΩ 33R0 33 Ω 8202 82 ΚΩ 40R0 40 Ω 1003 100 ΚΩ 47R0 47 Ω 1153 115 ΚΩ 50R0 50 Ω 1203 120 ΚΩ 56R0 56 Ω 1253 125 ΚΩ	10R0	10 Ω	3302	33 KΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	12R0	12 Ω	4002	40 KΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	15R0	15 Ω	4702	47 KΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	20R0	20 Ω	5002	50 KΩ		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	25R0	25 Ω	5602	56 KΩ		
33R0 $33 Ω $ $8202 $ $82 ΚΩ $ $40R0 $ $40 Ω $ $1003 $ $100 ΚΩ $ $47R0 $ $47 Ω $ $1153 $ $115 ΚΩ $ $50R0 $ $50 Ω $ $1203 $ $120 ΚΩ $ $56R0 $ $56 Ω $ $1253 $ $125 ΚΩ$	27R0	27 Ω	6802	68 KΩ		
40R0 40 Ω 1003 100 ΚΩ 47R0 47 Ω 1153 115 ΚΩ 50R0 50 Ω 1203 120 ΚΩ 56R0 56 Ω 1253 125 ΚΩ	30R0	30 Ω	7502	75 KΩ		
47R0 47 Ω 1153 115 ΚΩ 50R0 50 Ω 1203 120 ΚΩ 56R0 56 Ω 1253 125 ΚΩ	33R0	33 Ω	8202	82 KΩ		
50R0 50 Ω 1203 120 ΚΩ 56R0 56 Ω 1253 125 ΚΩ	40R0	40 Ω	1003	100 ΚΩ		
56R0 56 Ω 1253 125 KΩ	47R0	47 Ω	1153	115 KΩ		
	50R0	50 Ω	1203	120 ΚΩ		
75R0 75 Ω 1303 130 ΚΩ	56R0	56 Ω	1253	125 KΩ		
	75R0	75 Ω	1303	130 ΚΩ		

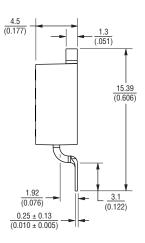
^{*}RoHS Directive 2015/863, Mar 31, 2015 and Annex.

PWR263S-20 Series Power Resistor

BOURNS®

Product Dimensions



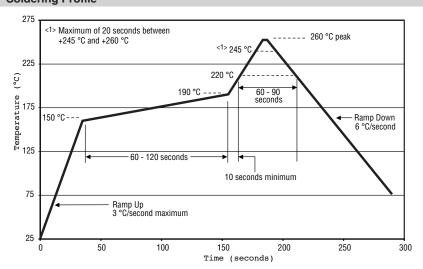


DIMENSIONS: $\frac{MM}{(INCHES)}$

TOLERANCE: $\frac{\pm 0.38}{(\pm 0.015)}$ UNLESS OTHERWISE NOTED

 $\begin{array}{ccc} \text{LEAD} & \underline{0.102} & \text{MAX AT MOUNTING} \\ \text{COPLANARITY:} & \overline{(0.004)} & \text{SURFACE} \end{array}$

Soldering Profile



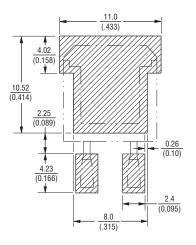
Power dissipation is 2.8 W at an ambient temperature of 25 $^{\circ}$ C when mounted on a double-sided copper board using FR4 standard, 70 μ m of copper, 39 x 30 x 1.6 mm.

Specifications are subject to change without notice.

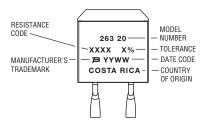
Users should verify actual device performance in their specific applications.

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Recommended Pad Layout

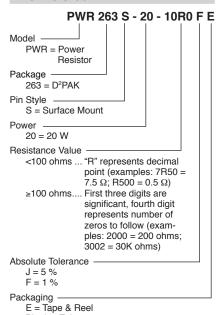


Typical Part Marking



How to Order

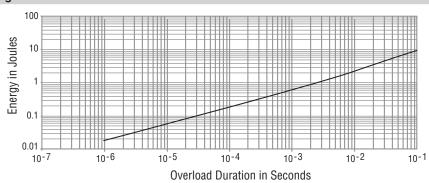
Blank = Tubes



PWR263S-20 Series Power Resistor

BOURNS®

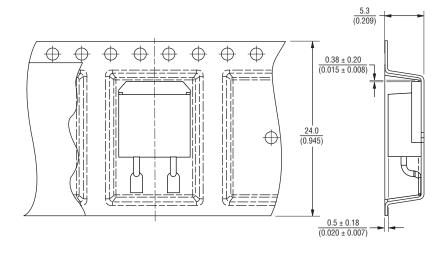
Pulse Power Rating



The energy absorbed by the resistor expressed in Joules can be calculated by multiplying the peak power of the pulse in watts times the length of the pulse in seconds.

The energy should not exceed the limits shown in the graph. The overload voltage should not exceed 1.5 times the maximum operating voltage.

Packaging Specifications



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$ TOLERANCE: $\frac{\pm 0.38}{(\pm 0.015)}$ UNLESS OTHERWISE NOTED

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