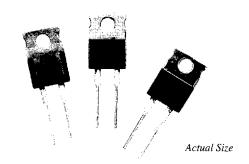
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TO 220, 20 Watt High Power Resistor RNP-20S Series





FEATURES

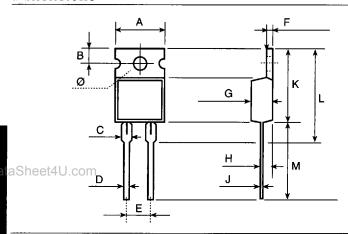
- Non-inductive design for high speed circuit requirements
- Low profile in a small package for high density requirements with flat leads
- Can withstand high vibration environments with heat sink mounting
- Superior to axial leaded high power resistors, RNP-20S has excellent heat transfer characteristics

Applications: RF termination resistors, high precision CRT display circuits, and pulse generators, RF termination resistors, as the replacement to be used in non-inductive power wirewound resistors.

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Test	Specifi	cations	Conditions
TCR:	A: ±100 ppm/°C	C: ±50 ppm/°C	-55°C to +125°C
Absolute	J: ±5.0%	F: ±1.0%	
Power Rating: Resistor	20.0	Watt	With a heatsink (below 25°C at tab temp)
1.0 Watt		Free air	
Working Voltage	500V	max.	Volt is in accordance with E+ √R x √P
Operating Temperature Range	-55 to -	+155°C	

Dimensions



	Dimension	Inches	Millimeters
	Α	0.417	10.6
	В	0.106	2.7
	C	0.059	1.5
	D	0.030	0.75
	Ш	0.200	5.08
	F	0.059	1.5
	G	0.177 ±0.020	4.5 ±0.5
	Н	0.098	2.5
	J	0.020 www	DataS 0.5t4U.com
	K	0.591	15.0
	L	0.748	19.0
•	М	0.591	15.0
_	Ø	0.142°	3.6°

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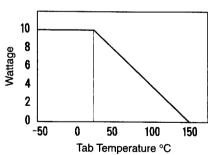


Environmental Specifications

Max. Applied Power	40	.0 Watt	Short time overload
Resistance Range	1 to 9.1Ω	10 to 51Ω	
Resistance Value Series	E-12	E-24	Containing 2.0 and 5.0
Load Life	±(1.00	% +0.05 Ω)	25°C, 90 min. ON, 30 min. OFF, 1,000 hrs.
Humidity	±(1.00	% +0.05 Ω)	30°C, 95% GH, DC 0.1W, 1,000 hrs.
Temperature Cycle	±(0.25	% +0.05 Ω)	-55°C, 30 min., +155°C, 30 min., 20 cycles
Short Time Overload	±(0.25	% +0.05 Ω)	Rated Wattage x 2.5, 5 sec, after 30 min.,
			With heatsink (1.8°C/W)
Soldering Heat	±(0.10	% +0.05 Ω)	350 ±5°C, 3 sec., after 3 hours
Solderability	Over 3	3.4 of round	230 ±5°C, 3 sec.
Insulation resistance	Over	1,000Μ Ω	Between two terminals and tab
Vibration	±(0.25	% ±0.05 Ω)	JIS-C-5202 6.3A

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Power Denating Curve



How to Order

Model Number	TCR	Resistance Value	Tolerance	
RNP-20S	С	821	F	

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C: ±50 ppm/°C A: ±100 ppm/°C 820 Ω *1 * First 2 digits are significant, the

third is a decade multiplier

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J: ±5.0%