FEATURES

- Resistances from 0.020hm to 100k0hms
- Power Rating to 50Watt
- Resistance Tolerances to $\pm 1\%$
- TCR to ±50ppm/K
- Load Stability to 0.5%
- TO-220 Housing
- Convenient SMD D2Pak



TABLE 1-SPECIFICATIONS				
ТҮРЕ		NPS 2-T220	NHS 2-T220	
Resistance Range		0.02 Ohms to 100kOhms	0.02 Ohms to 15kOhms	
Power Rating	Free air 70°C	1.5W	1.5W	
	With heatsink	30W	50W	
Tolerances from 0.02 Ohms from 1.0 Ohms		2% / 5% 1% / 2% / 5%		
Thermal Resistance		3.5 K/W	2.1 K/W	
Stability (1000h)		0.5%		
0.02 to 0.049 Ohms 0.05 to 0.099 Ohms 0.1 Ohms to 100 kOhms		±600 ppm/K ±300 ppm/K ±100 ppm/K upon request ±50 ppm/K		
Voltage Proof		2.0 kVDC	1.5 kVDC	
Max. Voltage depending on resistance value		10000 1000 1000 1000 100 100 100 100 10	1 kOhm 5 kOhm 10 kOhm	
Operating Temperatu	re Range	-40 to 155°C		
Resistor Material		Thick Film		
Substrate		Al ₂ O ₃		
Backplate		Copper / Nickel-plated		
Housing		PPS		
Connector Material		Cu / tinned		
Soldering Profile		lead free soldering time above 220°C max. 90 s max. temperature 245°C and JEDEC-J-STD-020		
Terminals		2 (standard contact S)		

ORDERING INFORMATION Part Number - Resistance - Contact - Tolerance NHS 2-T220 1K100 S 1%









WERTRON

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