

## Sample Kit Thick Film Resistors D2TO20



### FEATURES

- AEC-Q200 qualified
- 20 W at 25 °C case temperature
- Surface mounted resistor - TO-263 (D<sup>2</sup>PAK) style package
- Wide resistance range: 0.01 Ω to 550 kΩ
- Non inductive
- Resistor isolated from metal tab
- Solder reflow secure at 270 °C / 10 s
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



RoHS  
COMPLIANT

This sample kit includes a selection of resistor values covering a representative range. The resistors are arranged in ascending order of ohmic value and clearly marked for intuitive identification. Designed for engineers and designers, this kit allows quick validation of high-performance SMD power resistors engineered to operate reliably in the most challenging and demanding environments.

SAMPLE KIT SPECIFICATIONS	
Laboratory kit	D2TO 20 SAMPLE KIT
Resistor type D2TO at temperature coefficient	± 150 ppm/°C
Tolerance	± 1 %
Resistance value	1.0 Ω / 2.2 Ω / 4.7 Ω / 10 Ω / 22 Ω / 47 Ω / 100 Ω / 220 Ω / 470 Ω / 1 kΩ / 2.2 kΩ / 4.7 kΩ / 10 kΩ / 22 kΩ / 47 kΩ
Number of resistance values	15
Quantity	4 resistors per value = 60 resistors in total
D2TO PCB	1 PCB designed for 4 resistors test: parallel or series

### Note

- For more detailed specifications please check the following documents:  
D2TO20: [www.vishay.com/doc?51055](http://www.vishay.com/doc?51055)  
Application note: [www.vishay.com/doc?52027](http://www.vishay.com/doc?52027)

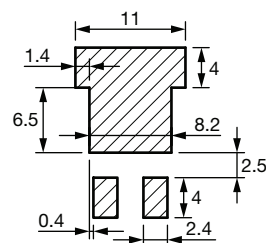
### TEST RECOMMENDATIONS

Power maximum: 3.1 W per piece on FR4 HTG PCB

The FR4 HTG PCB included in the kit covers two mountings, one is with a serial mounting, the other is a parallel mounting.

Do not mount D2TO on both sides or the thermal performance will be deteriorated.

### FOOTPRINT



Soldering pad D2TO