

High Frequency 50 GHz Thin Film Chip Resistors Design Kits for High Frequency Applications



FEATURES

- Operating frequency 50 GHz
- Thin film microwave resistors
- Small size, down to 20 mils by 16 mils
- 20 pieces of each part
- Pure alumina substrate (99.5 %)
- Ohmic range: 10R to 500R
- Tolerance 5 %
- TCR: 100 ppm/°C in (-55 °C, +155 °C) temperature range
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT
HALOGEN
FREE
GREEN
(5-2008)

LINKS TO ADDITIONAL RESOURCES



APPLICATIONS

- 5G base stations and small cells
- Satellite communication
- Connected car and ADAS applications
- IoT, WiFi, WiMax
- RF and microwave test systems

CH STANDARD ELECTRICAL SPECIFICATIONS						
MODEL	SIZE	RESISTANCE RANGE Ω	RATED POWER Pn W	LIMITING ELEMENT VOLTAGE V	TOLERANCE ± %	TEMPERATURE COEFFICIENT ± ppm/°C
CH02016	02016	10 to 500	0.030	30	2, 5	100 (50 upon request)
CH0402	0402	10 to 500	0.050	37	1, 2, 5	100 (50 upon request)

ORDERING INFORMATION						
MODEL	SIZE	RESISTANCE VALUES (Ω)	TERMINATION	TOLERANCE	TEMPERATURE COEFFICIENT ± ppm/°C	NUMBER OF PIECES PER VALUE
CHKIT-02016	02016	10 Ω / 18 Ω / 25 Ω / 50 Ω / 75 Ω / 100 Ω / 150 Ω / 180 Ω / 200 Ω / 250 Ω / 330 Ω / 500 Ω	F	5 %	100	20
CHKIT-0402	0402	10 Ω / 18 Ω / 25 Ω / 50 Ω / 75 Ω / 100 Ω / 150 Ω / 180 Ω / 200 Ω / 250 Ω / 330 Ω / 500 Ω	F	5 %	100	20

Note

- For simulation purposes, S-parameter data are available for download here: www.vishay.com/doc?53061
- For more information about CH High Frequency Resistor, please refer to the datasheet: www.vishay.com/doc?53014