HALOGEN

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www.vishay.com

Thick Film Chip Dividers, Medium Voltage



LINKS TO ADDITIONAL RESOURCES





FEATURES

- Voltage up to 1415 V
- Maximum resistance ratio of 700:1
- Flow solderable
- · Tape and reel packaging available
- Termination style:
 3-sided wraparound termination
- Termination material: solder-coated nickel barrier terminations
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>

Note

This datasheet provides information about parts that are RoHS-compliant and / or parts that are non RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information / tables in this datasheet for details

STANDARD ELECTRICAL SPECIFICATIONS								
GLOBAL MODEL	CASE SIZE	POWER RATING P _{70°C} W	MAXIMUM WORKING VOLTAGE ⁽¹⁾ V	RESISTANCE RANGE $^{(2)}$	TOLERANCE (3) ± %	TEMPERATURE COEFFICIENT ⁽⁴⁾ (-55 °C to +155 °C) ± ppm/°C	TCR TRACKING ± ppm/°C	
CDMV 2512	2512	1	1415	10K to 75M	0.5, 1, 2, 5, 10	100	50 (typical)	

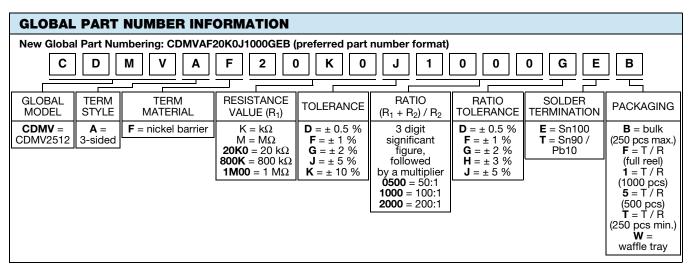
Notes

- (1) Continuous working voltage shall be $\sqrt{P \times R}$ or maximum working voltage, whichever is less
- (2) Resistance values are calibrated at 100 V_{DC}. Calibration at other voltages available upon request
- (3) Contact factory for tighter tolerances
- (4) Reference only: not for all values specified. Consult factory for your value

VOLTAGE AND TEMPERATURE COEFFICIENTS OF RESISTANCE CHART TYPICAL						
RESISTANCE (Ω)	RATIO (MAXIMUM)	VCR (ppm/V)	TCR (ppm/°C) -55 °C to +155 °C			
10K to 100K	200:1	10	150			
> 100K to 1M	400:1	10	100			
> 1M	700:1	10	100			

Note

Contact factory for other ratios



Note

Revision: 02-Jun-2022

• For additional information on packaging, refer to the "Surface Mount Resistor Packaging" document (<u>www.vishay.com/doc?31543</u>)



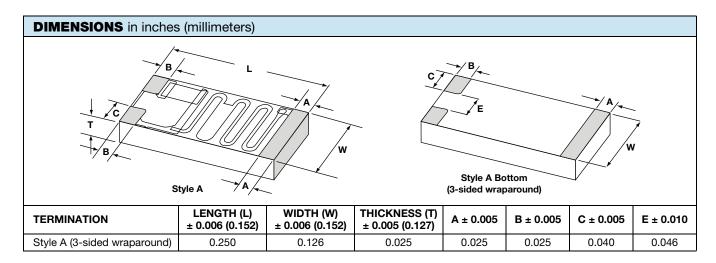
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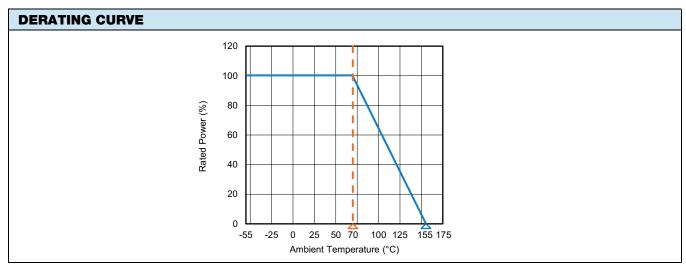
MATERIAL SPECIFICATIONS					
Resistive element	Ruthenium oxide				
Encapsulation	Ероху				
Substrate	96 % alumina				
Termination	Solder-coated nickel barrier terminations				
Solder finish	Pure tin or tin / lead solder alloys standard				

ENVIRONMENTAL SPECIFICATIONS				
Operating temperature	-55 °C to +155 °C			
Life	Less than 0.5 % change when tested at full rated power			

Note

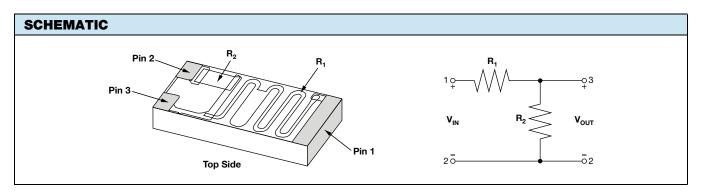
 Reference only: not for all values specified. Consult factory for your size and value





Note

· Reference only: not for all values specified. Consult factory for your specific value





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