



# Wirewound Resistors, Commercial Power, Silicone Coated, Capacitor Mount



#### **FEATURES**

· High temperature silicone coating

with Ayrton-Perry winding

 Mounts directly onto the terminal studs of three popular sizes of capacitance without additional leads or terminals



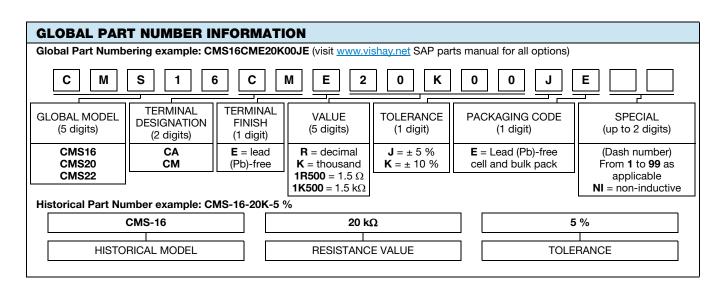
COMPLIANT

(5-2008)

- Extra long terminals keep damaging heat away from the capacitor terminals
- from the capacitor terminals

  Available in non-inductive style (special "NI")
  - special "NI") HALOGEN FREE
- Material categorization: for definitions of compliance please see www.vishav.com/doc?99912

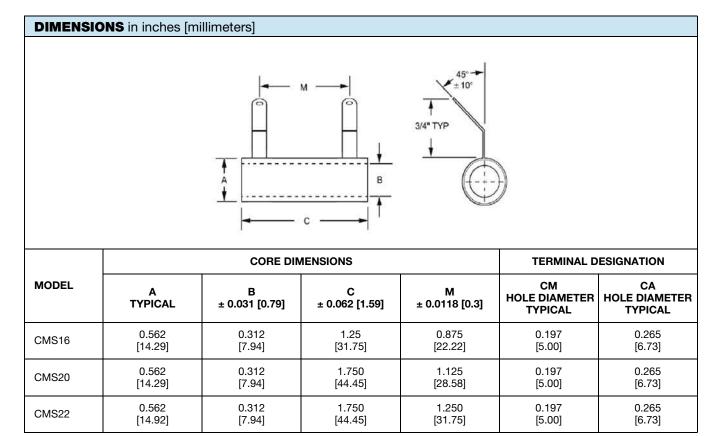
STANDARD ELECTRICAL SPECIFICATIONS						
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING P <sub>25 °C</sub> W	RESISTANCE RANGE Ω	TOLERANCE ± %	WEIGHT (typical) g	
CMS16	CMS-16	16	1.0 to 59K	5, 10	7.5	
CMS20	CMS-20	20	1.0 to 95K	5, 10	8.64	
CMS22	CMS-22	22	1.0 to 105K	5, 10	8.64	





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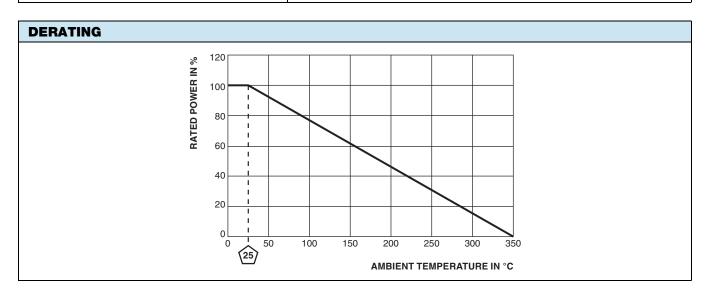




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TECHNICAL SPECIFICATIONS					
PARAMETER	UNIT	RESISTOR CHARACTERISTICS			
Power Rating	W	16 to 22			
Resistance Range	Ω	1 to 105k			
Resistance Tolerance	%	5			
Temperature Coefficient	ppm/°C	$\pm$ 260 for 20 $\Omega$ and above, $\pm$ 400 for 1 $\Omega$ to 19.99 $\Omega$			
Operating Temperature	°C	-55 °C to 350 °C			
Temperature Rise	°C	325 °C above an ambient of 25 °C			
Maximum Altitude	f.a.s.l.	10 000			
Short-Term Overload	-	10x rated power for 5 s			
Surge Windings	-	Available			
Maximum Working Voltage	-	(P x R) <sup>0.5</sup>			
Insultation Resistance	Ω	1M			
Dielectric Voltage	V <sub>RMS</sub>	1000 V <sub>AC</sub>			
Creepage	-	Varies by wattage, see "Terminal Setback" in Dimensions table			
Terminal Sleeves	-	n/a			
Inductance	μH	Varies by wattage and resistance			
Non-Inductive Winding	-	Available			
Terminal Strength	lb	10 lbs			
Electrical or Mechanical Customization	-	Contact factory: www2dresistors@vishay.com			

MATERIAL SPECIFICATIONS			
Element	Copper-nickel alloy or nickel-chrome alloy, depending on resistance value		
Core	Cordierite, steatite		
Coating	Special high temperature silicone		
Standard Terminals	Tinned alloy 42		
Optional Terminals	Alloy 42		
Terminal Bands	Alloy 42		
Part Marking	HEI, model, wattage, value, tolerance, date code		





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