



Wirewound Resistors, Commercial Power, Silicone Coated, Capacitor Mount



FEATURES

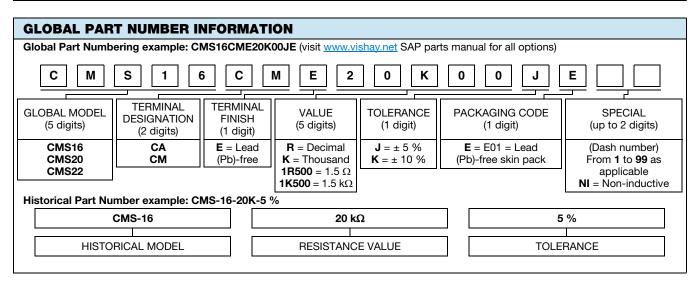
- · High temperature silicone coating
- · Mounts directly onto the terminal studs of three popular sizes of capacitance without additional leads or terminals
- Extra long terminals keep damaging heat away from the capacitor terminals
- Available in non-inductive style (special "NI")
- with Ayrton-Perry winding
- · Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

1 0-1100
(e3)
ROHS

HALOGEN FREE **GREEN** (5-2008)

STANDARD ELECTRICAL SPECIFICATIONS									
GLOBAL MODEL	HISTORICAL MODEL	POWER RATING P _{25 °C} 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				

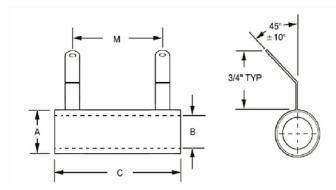
TECHNICAL SPECIFICATIONS							
PARAMETER	UNIT	CMS RESISTOR CHARACTERISTICS					
Temperature Coefficient	ppm/°C	\pm 260 for 20 Ω and above, \pm 400 for 1 Ω to 19.99 $\Omega,$ special TC's available					
Short Time Overload	-	10 x rated power for 5 s					
Maximum Working Voltage	V	$(P \times R)^{1/2}$					
Operating Temperature Range	°C	-65 to +350					
Terminal Strength	lb	10 minimum					
Dielectric Withstanding Voltage	V _{AC}	1000					







DIMENSIONS in inches [millimeters]



GLOBAL MODEL	DIMENSIONS in inches [millimeters]							
	CORE				TERMINAL DESIGNATION			
	A TYPICAL	B ± 0.031 [0.79]	C ± 0.062 [1.59]	M TYPICAL	CM HOLE DIAMETER TYPICAL	CA HOLE DIAMETER TYPICAL		
CMS16	0.562	0.312	1.25	0.875	0.197	0.265		
	[14.29]	[7.94]	[31.75]	[22.22]	[5.00]	[6.73]		
CMS20	0.562	0.312	1.750	1.125	0.197	0.265		
	[14.29]	[7.94]	[44.45]	[28.58]	[5.00]	[6.73]		
CMS22	0.562	0.312	1.750	1.250	0.197	0.265		
	[14.92]	[7.94]	[44.45]	[31.75]	[5.00]	[6.73]		

MATERIAL SPECIFICATIONS

Element: Self-supporting copper-nickel alloy or nickel-chrome alloy, depending on resistance value

Core: Ceramic steatite

Coating: Special high temperature silicone

Terminals: Alloy 42

Part Marking: HEI, model, wattage, value, tolerance, date

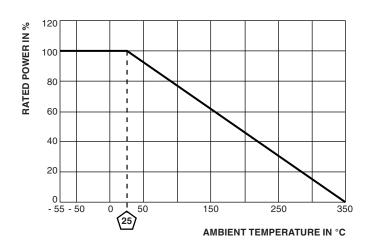
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DERATING

are available with non-inductive (Ayrton-Perry) winding. They are identified by adding the letters "NI" at the end of the part number in special section. For non-inductive models the maximum resistance values are lower.

Models of equivalent physical and electrical specifications

NON-INDUCTIVE





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Vishay

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