Vishay Sfernice



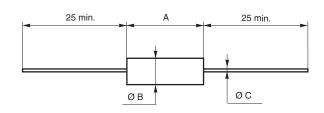
Molded Metal Film Resistors



FEATURES

- 0.25W to 1W at 70°C
- NF C 83-230 (RC21U-31U-41U-32)
- CECC 40 100
- High insulation $>10^7 M\Omega$
- · Excellent reliability
- · Great mechanical strength

DIMENSIONS in millimeters



DIMEN- SIONS SERIES	_	ØВ	øс	UNIT WEIGHT IN G.
RCMM02	6.5 ± 0.2	2.5 -0 -0.2	0.6	0.26
RCMM05	10.2 ± 0.2	3.65 ± 0.1	0.6	0.46
RCMM1	16 ± 0.5	6.2 ± 0.2	0.8	1.30

TECHNICAL SPECIFICATIONS						
VISHAY SFERNICE SERIES		RCMM02 €		RCMM05 €	RCMM1€	
NF C / CECC 83-230		RC21U	RC32	RC31U	RC41U	
CECC 40 100-802		BV	_	CV	_	
MIL-R-22684 (Conformity)		RLR07	_	RLR20	RLR32	
Power Rating at 70°C		0.25W	0.50W	0.50W	1W	
Resistance Value Range in Relation to Tolerance	± 5%	1Ω to 330kΩ E24	1Ω to 330kΩ E24	1Ω to 1MΩ E24	1Ω to 2.2MΩ E24	
	± 2%	1Ω to 332kΩ E48	1Ω to 332 k Ω E48	1Ω to $1M\Omega$ E48	1Ωto 2.26MΩ E48	
Maximum Voltage		300V	350V	350V	500V	
Critical Resistance		_	245kΩ	245kΩ	250kΩ	
Temperature Coefficient	Rated in the range – 55°C + 155°C	K2 Ω ±100ppm/°C				
	Typical in the range – 10°C + 70°C	$\Omega \pm 50$ ppm/°C				
Insulation Resistance (Typical)		Ω 10 ⁷ M Ω (500 VDC)				
Voltage Coefficient		Ω ± 10ppm/Volt				
Environmental Specifications		– 65°C/+155°C/56 days				

Undergoes European Quality Insurance System (CECC)

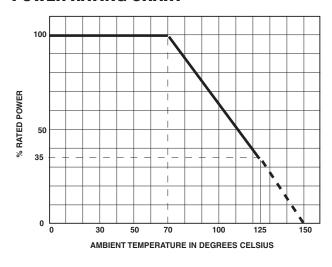


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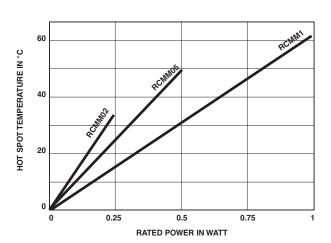
PERFORMANCE					
NF C 83-230 - CECC 40 100				TYPICAL VALUES	
TESTS	CONDITIONS		REQUIREMENTS	AND DRIFTS	
Load Life at max. Category Temperature	1000h at 125°C 35% of Pn		$Ω \pm (2\% + 0.1Ω)$ Insulation resist. > 1GΩ	$\pm~0.75\%$ or 0.05Ω Insulation resist. 106M Ω	
Short Time Overload	2.5Um/5s*		$\Omega \pm (0.5\% + 0.05\Omega)$	± 0.2% or 0.05Ω	
Damp Heat Humidity (Steady State)	56 days with low load		$Ω \pm (2\% + 0.1Ω)$ Insulation resist. >100MΩ	\pm 0.5% or 0.05 Ω Insulation resist. 106M Ω	
Rapid Temperature Change	– 55°C	+ 125°C	$\Omega \pm (0.5\% + 0.05\Omega)$	± 0.1% or 0.05Ω	
Climatic Sequence	– 55°C	+ 125°C	$Ω \pm (2\% + 0.1Ω)$ Insulation resist. >100MΩ	\pm 0.1% or 0.05 Ω Insulation resist. 106M Ω	
Terminal Strength	Pull - Twist - 2 bends		$\Omega \pm (0.5\% + 0.05\Omega)$	$\pm~0.05\%~$ or 0.05Ω	
Vibration	10 - 500Hz		$\Omega \pm (0.5\% + 0.05\Omega)$	$\pm~0.05\%~$ or 0.05Ω	
Soldering (Thermal Shock)	+ 260°C 10s		$\Omega \pm (0.5\% + 0.05\Omega)$	± 0.1% or 0.05Ω	
Load Life	cycle 90'/30' 1000h at Pn at 70°C		$Ω \pm (2\% + 0.1Ω)$ Insulation resist. > 1GΩ	$\pm~0.5\%$ or 0.05Ω Insulation resist. $10^6 M\Omega$	
Shelf Life	1 year ambient temperature		_	± 0.1% or 0.05Ω	

^{*}RC41: 15 seconds

POWER RATING CHART



TEMPERATURE RISE



MARKING

Printed: SFERNICE trademark, series, style, ohmic value (in Ω), tolerance (in %), temperature coefficient, manufacturing date. **Due to lack of space RCMM02 is printed MM02.**

ORDERING INFORMATION							
RCMM	02		332k Ω	± 1%	К3		
SERIES	STYLE	SPECIAL DESIGN	OHMIC VALUE	TOLERANCE	TEMPERATURE COEFFICIENT	PACKAGING	
		Method N° Optional				Optional	

Legal Disclaimer Notice



Vishay

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