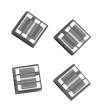
Dual Value Chip Resistor, Center Tap



M Actual Size

Chromium silicon thin film is very well suited to produce high density and high ohmic value resistor chips. Performances and sizes are greatly improved compared to Thick Film counterparts. The center tap configuration offers a greater flexibility for hybrid layout design.

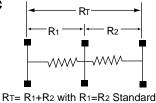
FEATURES

- · Center tap feature
- · Small size
- · Very high ohmic values
- · Good stability

TYPICAL PERFORMANCE

♦	ABS	TRACKING	
TCR	100	5	
	ABS	RATIO	
TOL	0.5	0.5	

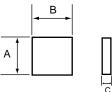
SCHEMATIC



STANDARD ELECTRICAL SPECIFICATIONS				
TEST		SPECIFICATIONS	CONDITIONS	
MATERIAL		PASSIVATED CHROMIUM SILICON		
Resistance Range		10K ohms to 5M ohms	for $R_T = R_1 + R_2$	
TCR:	Tracking	± 5ppm/°C	- 55°C to +125°C	
	Absolute	± 100 ppm/°C (± 50ppm/°C on request)	- 55°C to +125°C	
Tolerance:	Ratio	1/1 standard		
	Absolute	\pm 0.5%, \pm 1%, \pm 2%		
	Matching	± 0.5% standard		
Power Rating		250mW at + 25°C, 125mW at + 70°C, 50mW at + 125°C		
Stability		± 0.1% typical, ± 0.2 Max.	2000 hrs. @ + 70°C Under	
Voltage Coefficient		0.1ppm/Volt		
Working Voltage		100 Volts DC on R _T		
Operating Temperature Range		- 55°C to + 155°C		
Storage Temperature Range		- 55°C to + 155°C		
Noise		< - 35dB typical	MIL-STD-202 Method 308	
Thermal EMF		< 0.01µV/°C		
Shelf Life Stability		200ppm	1 year @ + 25°C	

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DIMENSIONS in inches and millimeters



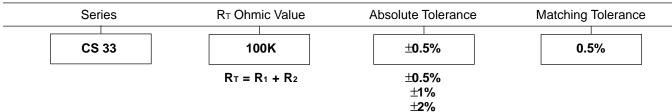


DIMENSION	INCHES	MILLIMETERS
Α	0.03 ± 0.004	0.76 ± 0.10
В	0.03 ± 0.004	0.76 ± 0.10
С	0.01 ± 0.015	0.25 to 0.40
D	0.004	0.10
E	0.006	0.15
F	0.006	0.15

MECHANICAL SPECIFICATIONS		
Resistive Element	Chromium Silicon	
Passivation	Silicon Nitride	
Substrate Material	Silicon (Consult Vishay for AL ₂ O ₃)	
Bonding Pads	Aluminum	

Dual Value Chip Resistor, Center Tap

How to Order



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