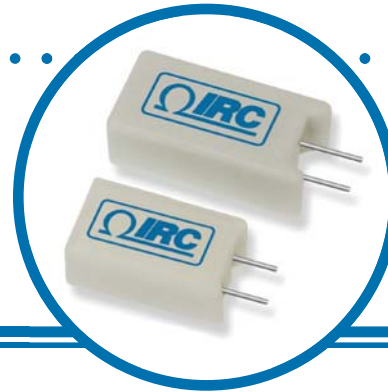


Commercial Grade Vertical Mount Power Wirewound & Film Resistors

CVW/CVF Series

- Power ratings from 2W to 10W
- Non-inductive winding available
- Resistance range from 0.1Ω to 200KΩ
- Vertical mounting configuration saves board space
- Flameproof ceramic case with inorganic potting material



Electrical Data

IRC Type	Power Rating at 70°C (W)	Resistance Range* (Ohms)	Tolerance (±%)	Temperature Coefficient of Resistance (±ppm/°C)
Wirewound Type (CVW)				
CVW - 2	2	0.1 - 27	5, 10	400 (<20Ω) 350 (≥20Ω)
CVW - 3	3	0.1 - 39		
CVW - 5	5	0.1 - 47		
CVW - 7	7	0.1 - 680		
CVW - 10	10	0.1 - 910		
Film Type (CVF)				
CVF - 2	2	28 - 33K	5, 10	400 (<20Ω) 350 (≥20Ω)
CVF - 3	3	40 - 56K		
CVF - 5	5	48 - 100K		
CVF - 7	7	681 - 200K		
CVF - 10	10	911 - 200K		

* For resistance values outside these ranges, contact factory.

Environmental Data

Short-time overload	CVF: ±5% + 0.05Ω; 10 x nominal power for 5 seconds
	CVW: ±5% + 0.05Ω; 10 x nominal power for 5 seconds
Dielectric withstanding voltage	1000Vac
Resistance to Soldering heat	±5% + 0.05Ω
Operating temperature range	-55°C to 275°C

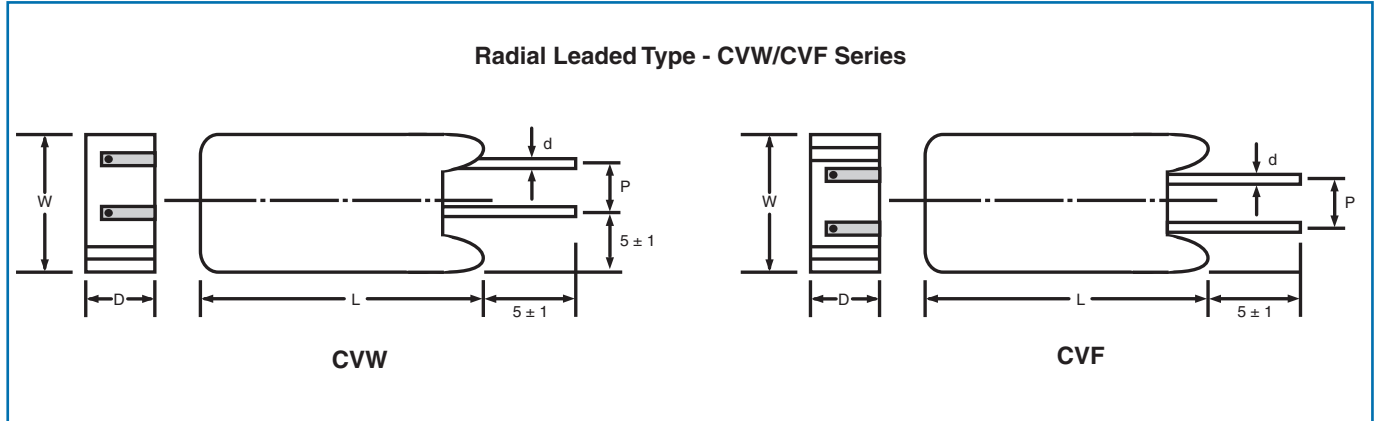
General Note

IRC reserves the right to make changes in product specification without notice or liability. All information is subject to IRC's own data and is considered accurate at time of going to print.

Wire and Film Technologies Division • 4222 South Staples Street • Corpus Christi Texas 78411 USA
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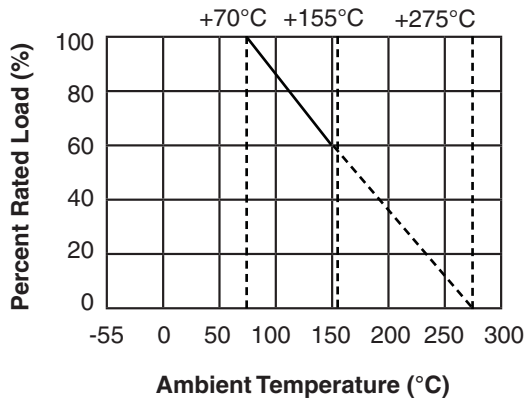
Commercial Grade Vertical Mount Power Wirewound & Film Resistors

Physical Data

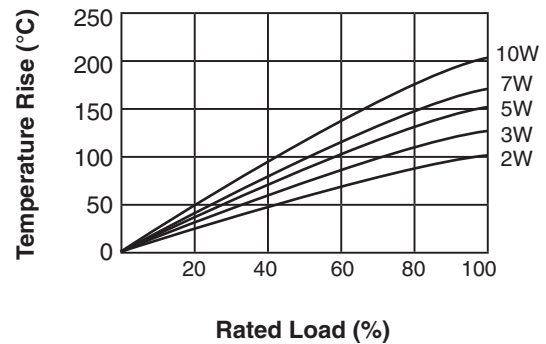


Dimensions (mm)						
IRC Type		W (±1)	D (±1)	L (±1)	P (±1)	d (±0.02)
Wirewound Type	Film Type					
CVW - 2	CVF - 2	11.5	7.5	20.0	5	0.7
CVW - 3	CVF - 3	12.5	8.5	25.0	5	0.7
CVW - 5	CVF - 5	12.5	9.0	25.0	5	0.8
CVW - 7	CVF - 7	12.5	9.0	38.0	5	0.8
CVW - 10	CVF - 10	12.5	9.0	50.0	5	0.8

Power Derating Curve



Temperature Rise Chart



Commercial Grade Vertical Mount Power Wirewound & Film Resistors



Ordering Data

Specify type, resistance, tolerance, RoHS-Compliance and packaging.
This example is for a ceramic vertical film, 2-watt, 1000Ω resistor.

