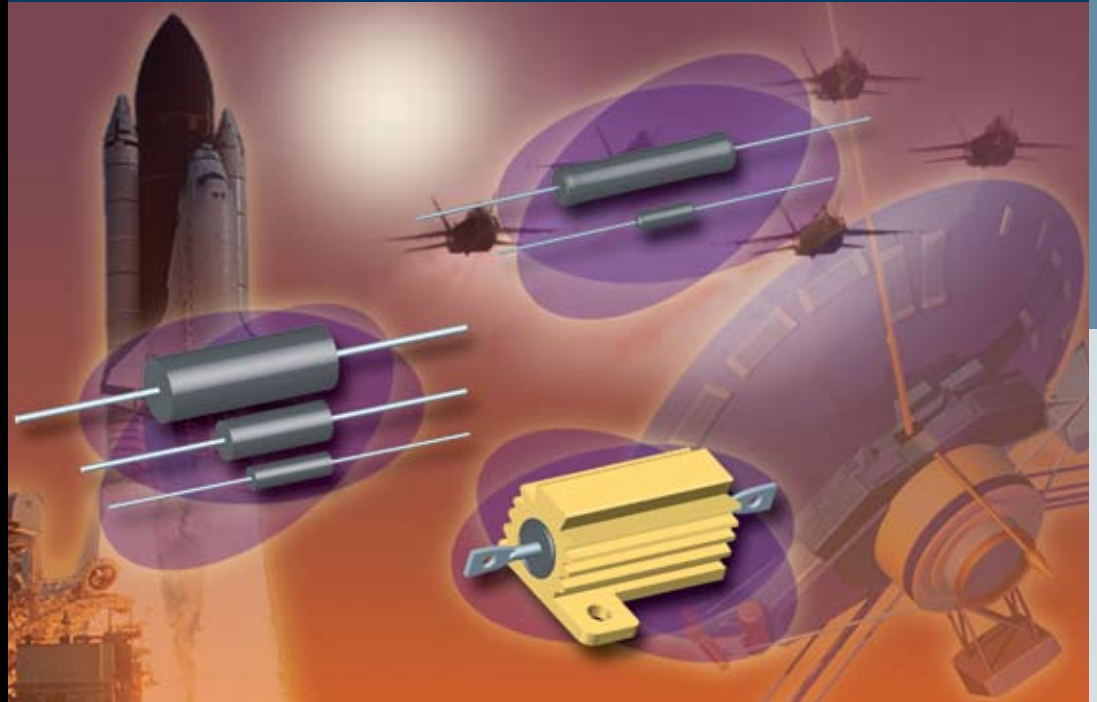




MILITARY WIREWOUND RESISTORS



KEY BENEFITS

- Vishay Military Wirewound Resistors deliver:
 - A wide range of power ratings (1 watt to 120 watt)
 - A wide resistance range (0.01 Ω to 71.5 K Ω)
 - Low/high temperature performance (– 65 °C to + 350 °C)
 - Tight tolerances (down to \pm 0.1 %)
 - Low temperature coefficient (down to \pm 20 ppm/°C)
 - Excellent overload capability
 - Non-inductive, chassis mounted and weldable terminal styles available



Military Wirewound Resistors

Military Specification	Model	Part Number Definition	Wattage Rating	Resistance Range	Tolerance		
Non-Established Reliability Products							
	MIL-PRF-26 RW70U RW81U RW80U RW79U RW69V RW74U RW67V RW78U RW68V	RW80 U 49R9 F 1 2 3 4	1	0.1 Ω – 2.74 KΩ	± 0.5 %, ± 1 %*		
		1	0.1 Ω – 1 KΩ	± 0.5 %, ± 1 %*			
		2	0.1 Ω – 2.74 KΩ	± 0.5 %, ± 1 %*			
		3	0.1 Ω – 6.49 KΩ	± 0.5 %, ± 1 %*			
		3	0.1 Ω – 2.0 KΩ	± 5 %, ± 10 %			
		5	0.1 Ω – 24.3 KΩ	± 0.5 %, ± 1 %*			
		6.5	0.1 Ω – 8.2 KΩ	± 5 %, ± 10 %			
		10	0.1 Ω – 71.5 KΩ	± 0.5 %, ± 1 %*			
		11	0.1 Ω – 20 KΩ	± 5 %, ± 10 %			
		1. Style 2. Characteristic (derating curve) U = 250 °C V = 350 °C 3. Resistance value 4. Tolerance					*± 0.1 % available on limited range
			MIL-PRF-49465 RLV10 (sheet 01) RLV30 (sheet 06) RLV31 (sheet 07)	M49465 06 T R0100 F 1 2 3 4 5	5	0.01 Ω – 0.5 Ω	± 1 %
3	0.01 Ω – 0.2 Ω			± 1 %, ± 5 %			
5	0.01 Ω – 0.3 Ω			± 1 %, ± 5 %			
1. Style 2. Specification sheet number 3. Characteristic (always T) 4. Resistance value 5. Tolerance							
	MIL-PRF-18546 RE60G RE60N RE65G RE65N RE70G RE70N RE75G RE75N RE77G RE77N RE80G RE80N	RE65 G 1001 1 2 3	5	0.1 Ω – 3.32 KΩ	± 1 %		
		5	1.0 Ω – 1.65 KΩ				
		10	0.1 Ω – 5.62 KΩ				
		10	1.0 Ω – 2.8 KΩ				
		20	0.1 Ω – 12.1 KΩ				
		20	1.0 Ω – 6.04 KΩ				
		30	0.1 Ω – 39.2 KΩ				
		30	1.0 Ω – 19.6 KΩ				
		75	0.05 Ω – 29.4 KΩ				
		75	1.0 Ω – 14.7 KΩ				
		120	0.10 Ω – 35.7 KΩ				
120	1.0 Ω – 17.4 KΩ						
1. Style 2. Characteristic – winding type G = Standard N = Non-inductive 3. Resistance value Note: tolerance is 1 %							
Established Reliability Products							
	MIL-PRF-39007 RWR81S / RWR81W RWR81N / RWR81Z RWR82S / RWR82W RWR82N / RWR82Z RWR80S / RWR80W RWR80N / RWR80Z RWR71S / RWR71W RWR71N / RWR71Z RWR89S / RWR89W RWR89N / RWR89Z RWR74S / RWR74W RWR74N / RWR74Z RWR84S / RWR84W RWR84N / RWR84Z RWR78S / RWR78W RWR78N / RWR78Z	RWR74 S 10R1 F R 1 2 3 4 5	1	0.1 Ω – 1 KΩ	± 0.5 %, ± 1 %		
		1	0.1 Ω – 499 Ω				
		1.5	0.1 Ω – 1.3 KΩ				
		1.5	0.1 Ω – 649 Ω				
		2	0.1 Ω – 3.16 KΩ				
		2	0.1 Ω – 1.58 KΩ				
		2	0.1 Ω – 12.1 KΩ				
		2	0.1 Ω – 6.04 KΩ				
		3	0.1 Ω – 4.12 KΩ				
		3	0.1 Ω – 2.05 KΩ				
		5	0.1 Ω – 12.1 KΩ				
		5	0.1 Ω – 6.04 KΩ				
		7	0.1 Ω – 12.4 KΩ				
		7	0.1 Ω – 6.19 KΩ				
10	0.1 Ω – 39.2 KΩ						
10	0.1 Ω – 19.6 KΩ						
1. Style 2. Characteristic – winding type and terminal type S = Standard wind, solderable W = Standard wind, weldable N = Non-inductive wind, solderable Z = Non-inductive wind, weldable 3. Resistance value 4. Tolerance 5. Failure rate level							
	MIL-PRF-39009 RER40 RER45 RER50 RER55 RER60 RER65 RER70 RER75	RER65 F 1001 R 1 2 3 4	5	1.0 Ω – 1.65 KΩ	± 1 %		
		10	1.0 Ω – 2.8 KΩ				
		20	1.0 Ω – 6.04 KΩ				
		30	1.0 Ω – 4.99 KΩ				
		5	0.10 Ω – 3.32 KΩ				
		10	0.10 Ω – 5.62 KΩ				
		20	0.10 Ω – 12.1 KΩ				
		30	0.10 Ω – 39.2 KΩ				
1. Style 2. Tolerance 3. Resistance value 4. Failure rate level							

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