

# HTS Cylindrical Thick Film Resistors **ARCOL**

Designed for applications such as voltage dividers, medical and measuring equipment, electrostatic and current limiting devices where high stability and high ohmic values are required.

- High power up to 9 watts
- Non inductive
- Voltage rating to 48kV
- RoHS Compliant



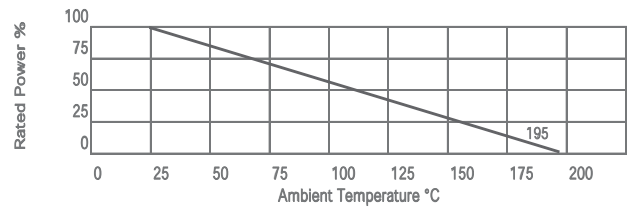
## Characteristics

Tolerance (Code):	±0.5 (C), ±1% (F), ±2% (G), ±5% (J)
Temperature coefficient:	±75ppm/°C standard, ref. to 25°C, ΔR at -25°C and +70°C. Other TCR's are available on request
Overload:	5 x rated power for 5 secs over ΔR, 0.2% max (max. overload V ≤ 1.5 max cont. voltage)
Thermal shock:	Mil Std. 202 Method 107 Cond. C ΔR 0.2% max.
Load life:	1000 hours at rated power, ΔR, 0.2% max.
Moisture resistance:	Mil Std. 202 Method 106 ΔR, 0.25% max
Insulation resistance:	10,000M ohms min.

## Electrical Specifications

Type	Wattage	Max Working Voltage (kV)	Resistance	
			Min	Max
HTS 05	0.5	4.5	100K	500M
HTS 15	1.5	4.0	100K	500M
HTS 25	2.5	10	100K	1G
HTS 30	3	15	100K	1G
HTS 45	4.5	22.5	1M	1G
HTS 60	6	32	1M	1G
HTS 70	7	35	1M	1G
HTS 75	7.5	37	1M	1G
HTS 80	8	40	1M	1G
HTS 90	9	48	1M	1G

## Derating Curve



## Ordering Procedure

Standard Resistor To specify standard: Series, Wattage Rating, Resistance and Tolerance Code, e.g.: HTS 15 100M J  
Tolerance (Code) ±0.5% (C), ±1% (F), ±2% (G), ±5% (J),

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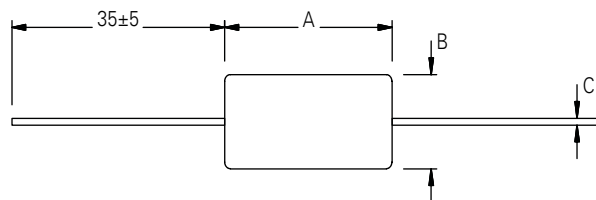
[www.arcolresistors.com](http://www.arcolresistors.com)

The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

## Dimensions (mm)

Type	A	B	C
HTS 05	25.4±1.5	5.0±1.5	0.8
HTS 15	24.0±1.5	8.0±1.0	1.0
HTS 25	39.0±1.5	8.0±1.0	1.0
HTS 30	52.0±1.5	8.0±1.0	1.0
HTS 45	76.0±2	8.0±1.0	1.0
HTS 60	102.0±2	9.0±1.0	1.0
HTS 70	117.0±2	9.0±1.0	1.0
HTS 75	127.0±2	9.0±1.0	1.0
HTS 80	137.0±2	9.0±1.0	1.0
HTS 90	152.0±2	9.0±1.0	1.0
Custom designs available			



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