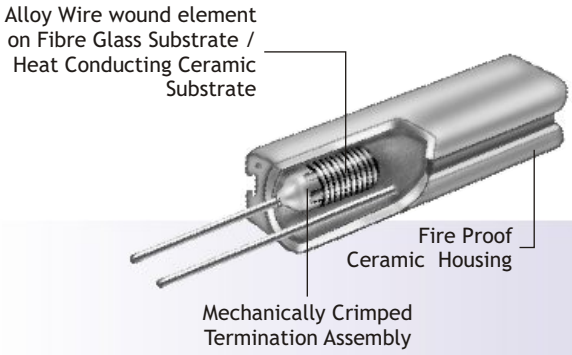
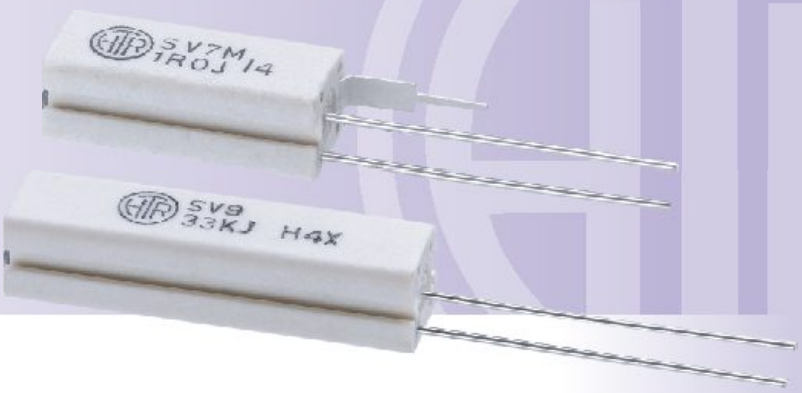
HSV SERIES

VERTICAL MOUNTING

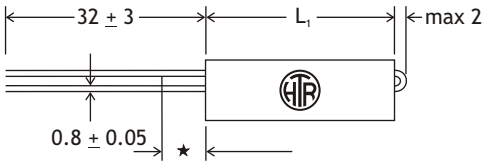
Ceramic Type





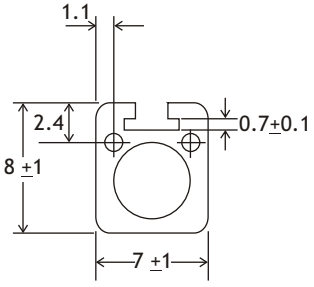
- 4 W to17 W
- R04 to 70 K
- Choice of three mounting configurations
- Vertical mounting pillar supports available

PHYSICAL CONFIGURATION



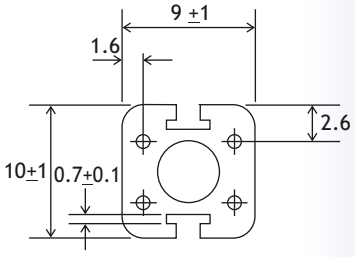
★ 6mm, reduced solderability in this area.

HTR TYPE	POWER RATING at 70°C	DIMENSIONS (mm) L_1(±1.5)	RESISTANCE RANGE min	RESISTANCE RANGE max	TYPICAL WT. PER PC (gms)
SV4	4W	20.0	R04	11K	2.3
SV5	5W	25.0	R05	16K	2.8
SV7B	7W	38.0	R10	33K	4.9
SV7	7W	25.0	R05	16K	5.0
SV9	9W	38.0	R10	33K	7.8
SV11	11W	50.0	R10	47K	10.2
SV17	17W	75.0	R10	70K	13.8



SV4, SV5 & SV7B

Profile Dimensions

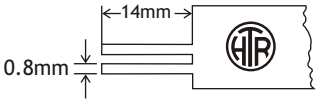


SV7, SV9, SV11 & SV17

MOUNTING SPECIFICATIONS

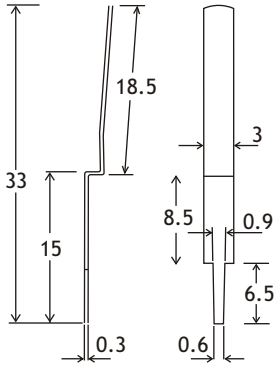
These resistors are available in a choice of three mounting configurations
1) With straight leads.
2) With cropped leads.
3) With HSV mounting pillar.

Preforming Dimensions / Cropping Dimensions



Cropped leads

Vertical Mounting Pillar Dimensions



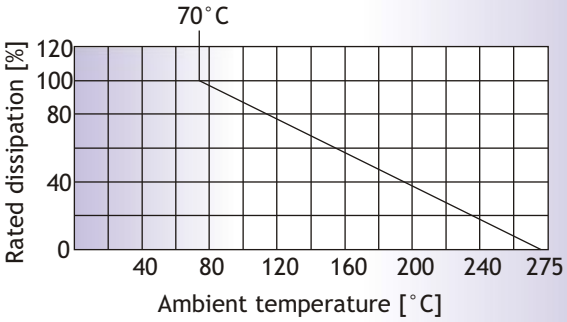
All dimensions in mm

Resistors with cropped leads can be identified by the suffix 'C' e.g. 7 watt resistor with cropped leads is HTR type, 'SV-7C'.
Resistors to be fitted with vertical mounting pillar can be identified by the suffix 'M' e.g. 5 watt resistor with mounting pillar is HTR type SV-5M.
In the case of SV7, SV9, SV11 & SV17 there is a possibility of fitting 2 vertical mounting pillars. These can be identified by the suffix “MM” e.g. SV17 with 2 vertical mounting pillars is HTR type SV17MM.

ELECTRICAL AND ENVIRONMENTAL CHARACTERISTICS / DATA

Test	Performance Requirements
Resistance tolerance	±10% [K]; ± 5% [J]; ±3% [H]; ±2% [G]; ±1% [F]
Rated ambient temperature [see derating curve]	at 70°C full power dissipation
Voltage rating	$V = \sqrt{PXR}$
Insulation resistance	> 1000 M [minimum]
Temperature co-efficient	±40 to ±150 ppm/ °C [medium and high values] ±450 to ±500 ppm/ °C [low and very low values]
Short time overload	Max R ± [2% + R05]
Moisture resistance	Max R ± [3% + R05]
Load life	Max R ± [3% + R05] average
Ambient operating temperature range	-40°C to +155°C
Flame test met	UL Specifications have been satisfactorily.

DERATING CURVE

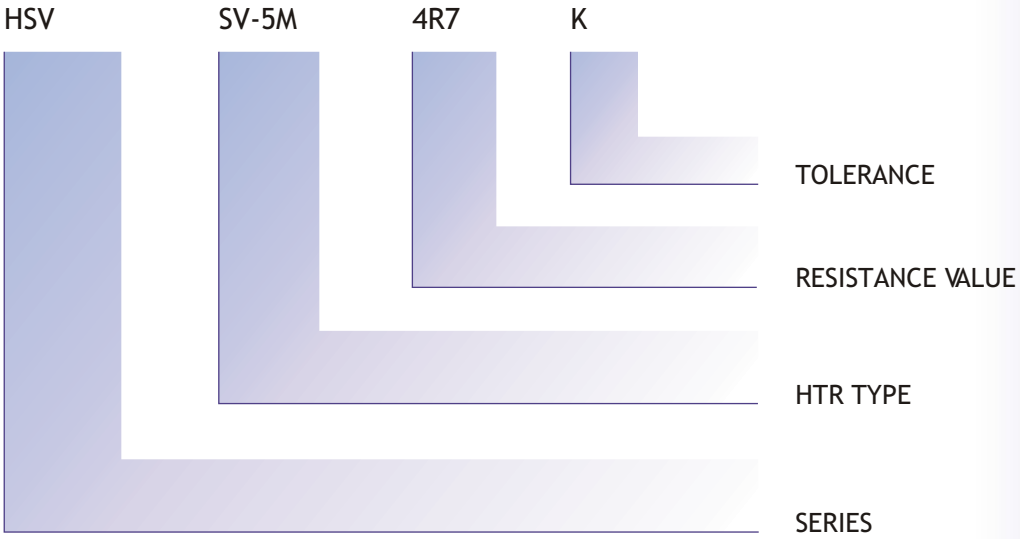


TYPICAL APPLICATIONS

The HSV series enjoys a wide market in TV and power supply field especially where space is at a premium on the PCB. Depending upon the resistance value and application the resistor core may be fibreglass or ceramic.
These resistors are also available for use in **Pulse applications**. For further information please refer to "Understanding pulse & over load capability of wire wound resistors".
In case a tailor- made pulse resistor is required, please refer to "Questionnaire of data required" and provide data accordingly.

Note : Due to recent technological advances, the ceramic cases used may be steatite ceramic or corderite ceramic or high alumina ceramic depending on the nature of the application. Hence the ceramic cases may be off-white or variations of brown and variations of grey; colours which are inherent to these ceramic materials.

ORDERING INFORMATION



In case Pulse type is required please suffix HTR Type with 'I' eg. SV-5I.