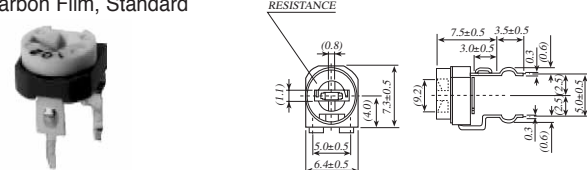
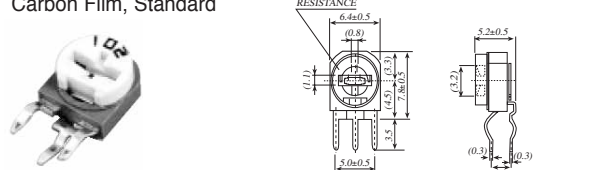
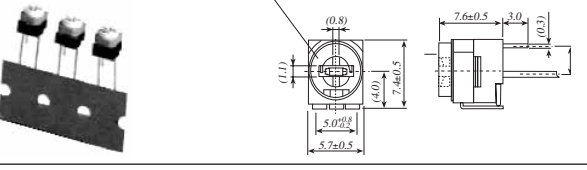
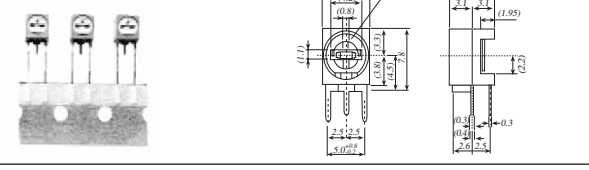
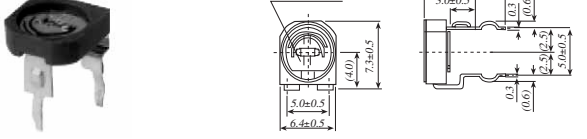
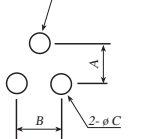


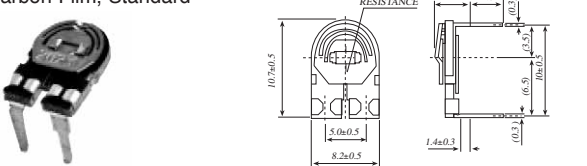
**NEW**

**features**

- Products with lead-free terminations meet RoHS requirements. Pb located in glass material, electrode and resistor element is exempt per Annex 1, exemption 5 of EU directive 2005/95/EC

**dimensions and construction**

SF6 Top Adjust Type Dimensions mm	SF6 Side Adjust Type Dimensions mm																														
<b>637A</b> Carbon Film, Standard 	<b>639A</b> Carbon Film, Standard 																														
<b>637T</b> Carbon Film, Radial Taping 	<b>639T</b> Carbon Film, Radial Taping Type 																														
<b>637AO</b> Carbon Film, Low Profile of 637A 	<b>Printed Board Framework (Ref.)</b> Dimensions mm  <table border="1"> <thead> <tr> <th>Type</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>637A,637AO</td> <td>5.0</td> <td>3.0</td> <td>1.2</td> <td>1.2</td> </tr> <tr> <td>637T</td> <td>3.0</td> <td>5.0</td> <td>1.0</td> <td>1.3</td> </tr> <tr> <td>639A</td> <td>2.5</td> <td>5.0</td> <td>1.0</td> <td>1.0</td> </tr> <tr> <td>639T</td> <td>2.5</td> <td>5.0</td> <td>1.0</td> <td>1.3</td> </tr> <tr> <td>807M</td> <td>10.0</td> <td>5.0</td> <td>1.2</td> <td>1.2</td> </tr> </tbody> </table>	Type	A	B	C	D	637A,637AO	5.0	3.0	1.2	1.2	637T	3.0	5.0	1.0	1.3	639A	2.5	5.0	1.0	1.0	639T	2.5	5.0	1.0	1.3	807M	10.0	5.0	1.2	1.2
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807M	10.0	5.0	1.2	1.2																											

SF8 Top Adjust Type Dimensions mm
<b>807M</b> Carbon Film, Standard 

**ordering information**

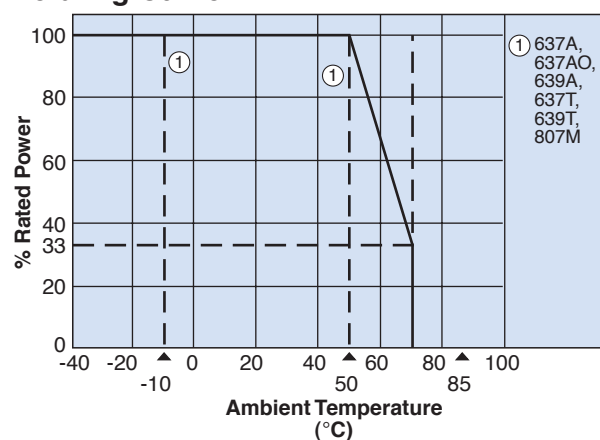
New Part #	<b>KVVSF</b>	<b>637A</b>	<b>C</b>	<b>103</b>
	<b>Product Code</b>	<b>Type</b>	<b>Termination Material</b>	<b>Nominal Resistance</b>
		SF6: 637A, 637AO, 639A, 637T, 639T SF8: 807M	C: SnCu (Other termination styles may be available, please contact factory for options)	2 significant figures + 1 multiplier

## applications and ratings

Part Designation	Power Rating @ 70°C	Resistance Range E-6 & 1,2,3,5x10 <sup>n</sup>	Resistance Tolerance	Maximum Working Voltage	Rated Ambient Temperature	Operating Temperature Range
637A, 637AO, 639A, 637T, 639T	0.1W	200Ω - 1MΩ	±30%	50V	+50°C	-10°C to +70°C
807M	0.1W	200Ω - 1MΩ	±30%	100V	+55°C	-10°C to +70°C

## environmental applications

### Derating Curve



## Performance Characteristics

Parameter	Requirement Δ R		Test Method
	Limit	Typical	
Resistance to Solder Heat	3	2	260°C ± 5°C, 5 seconds ± 1 second
Rapid Change of Temperature	5	4.5	-10°C / +25°C / +70°C (30 minutes), 5 cycles
Moisture Resistance	20	12	40°C ± 2°C, 90 - 95% RH, 350 hours, 1.5 hr ON, 0.5 hr OFF cycle
Endurance at 70°C	+5, -20	-12	70°C ± 2°C, 240 hours, 1.5 hr ON, 0.5 hr OFF cycle
High Temperature Exposure	+5, -20	-13	70°C ± 3°C, 240 hours
Rotational Life	15	11	20 turns