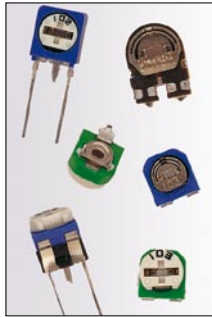


## TRIMMER POTENTIOMETER

CARBON FILM / METAL GLAZE

KVSF 6xx • KVSF 8xx



### IDENTIFICATION

PRODUCT CODE	CASE COLOR	MARKING
KVSF 637	Blue	Alpha Numeric Numeric (R-value)
KVSF 639		
KVSF 637 T	Blue/Black	
KVSF 687	Green	
KVSF 689		
KVSF 807	Brown	

Products with Pb-free terminations meet RoHS requirements

### TYPE DESIGNATION (HOW TO ORDER)

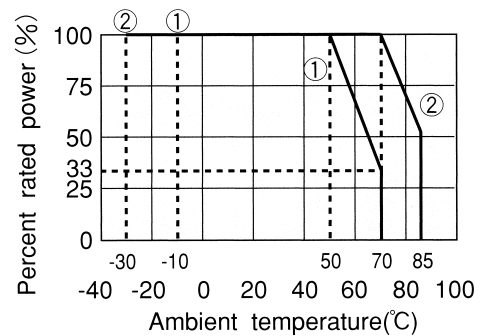
KVSF	637A	C		103
PRODUCT CODE	STYLE	TERMINATION SURFACE MATERIAL C: SnCu	PACKAGING S: Stick (637AS, 687AS only) "Blank": Bulk	NOMINAL RESISTANCE 3 digits

\*Please see "PACKAGING"

### FEATURES

- Linear resistance change characteristics
- Metal-glaze resistor elements (KVSF687A/KVSF689A) ensure highly stable performance against environmental conditions
- Potentiometers in radial tapping style (KVSF637T/KVSF639T) are available
- Tighter tolerances on request
- Suitable for audio visual equipment, motor circuits, power supplies etc.
- Rated ambient temperature: +50°/+70°C (see below)

### DERATING CURVE

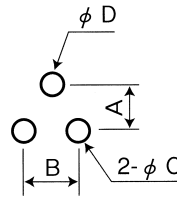


Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

### PRINTED BOARD FRAMEWORK (Ref.)

#### DIMENSIONS (mm)

	A	B	C	D
637A, 637A0, 687A	5.0	5.0	1.0	1.2
637T	3.0	5.0	1.0	1.3
639A, 689A	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



### RATING

TYPE	POWER RATING*	MAX. WORKING VOLTAGE	RESISTANCE RANGE (E6 & 1•2•3•5x10 <sup>n</sup> )	RESISTANCE TOLERANCE	RATED AMBIENT TEMPERATURE	OPERATING TEMPERATURE RANGE*	OPERATING TORQUE mN•m•(gf•cm)
KVSF 637 KVSF 639	0.1 W	50 V	200 Ω ... 1 MΩ	± 30 %	+50°C	①	-10°C ... +70°C
KVSF 687A KVSF 689A						②	-30°C ... +85°C
KVSF 807M	0.1 W	100 V	200 Ω ... 1 MΩ	± 30 %	+50°C	①	-10°C ... +70°C

\* For resistors operated in higher ambient temperature than rated, power rating shall be derated like shown in above "DERATING CURVE".

Rated voltage =  $\sqrt{\text{Power rating} \times \text{resistance value}}$  or max. working voltage, whichever is lower.

#### Precautions:

- After the adjustment, use silicon adhesives to fix the adjusted position when fixed with rock paints. The applying portion should be the opposite side of the contact portion and the adhesives should be applied not to flow into the inside. They should be naturally dried.
- Recommended dimensions of the point of the driver for adjustment are as follows:  
807 Series: 2.0 x 0.8mm  
637, 639 Series: 4.0 x 0.8mm
- Please avoid the wiring with the solder and soldering comes over the surface which may cause the connection failure.

