



TOKEN ELECTRONICS IND. CO., LTD.

HONESTY PERFECTION SHARING

Catalogue of High Voltage Focus Potentiometers and Triplers

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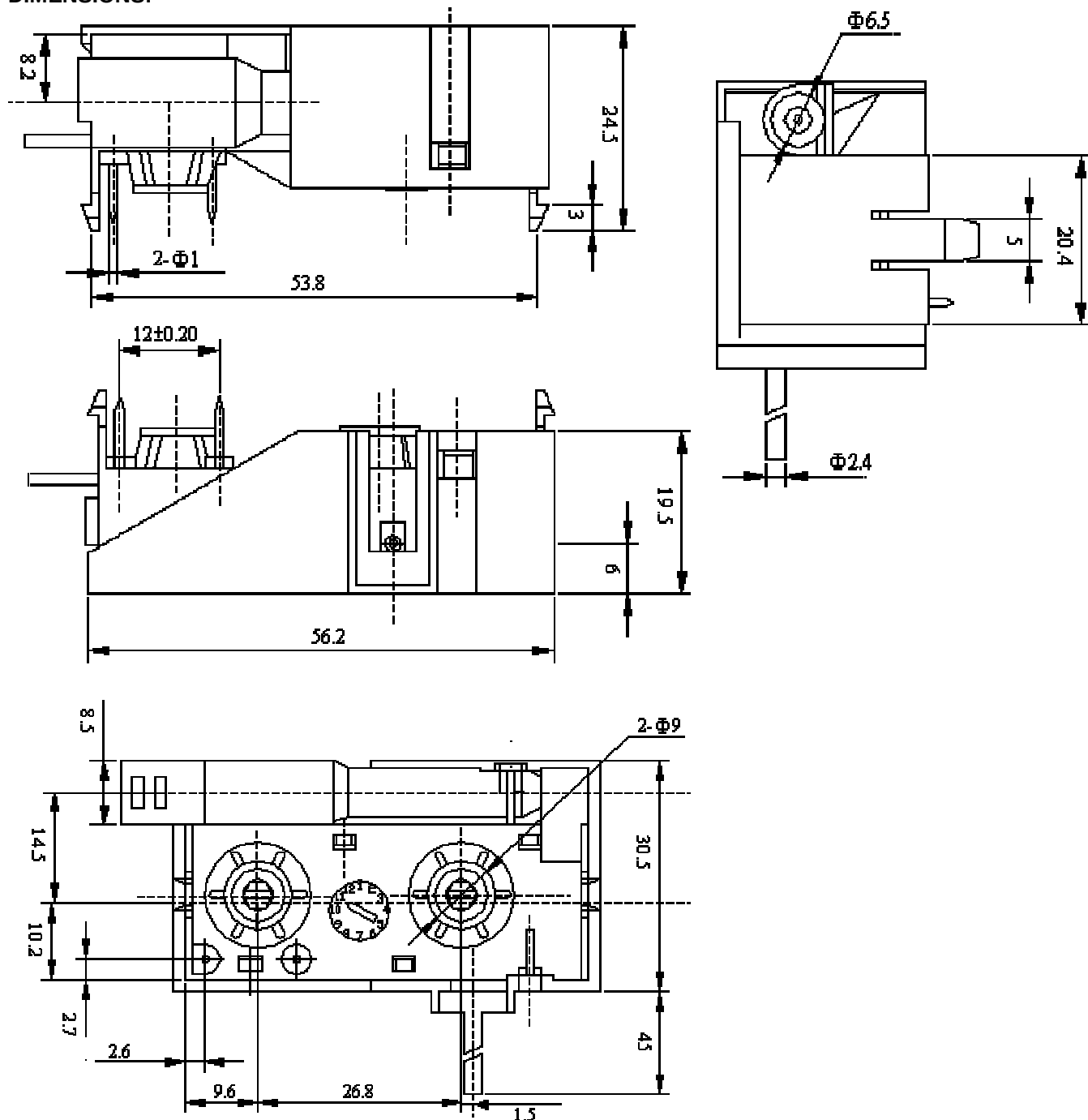


HIGH VOLTAGE FOCUS POTENTIOMETER - PHF007

A wide range of products for use with super high-resolution color displays for focus modulation with highly stable, high-voltage fluctuation characteristics. These products can also be used in CTVs, monitors, etc., to provide better pictures by reducing images distortion

HIGH VOLTAGE FOCUS POTENTIOMETER						
TYPE	RESISTANCE (M Ω)	VOLTAGE (KV)	VOLTAGE RATIO (%)		VOLTAGE RATIO (%)	
			MAX	MIN	MAX	MIN
PHF007	100 $\pm$ 20%	10	$\geq$ 92.5	$\leq$ 60	$\geq$ 7	$\leq$ 0.6

DIMENSIONS:



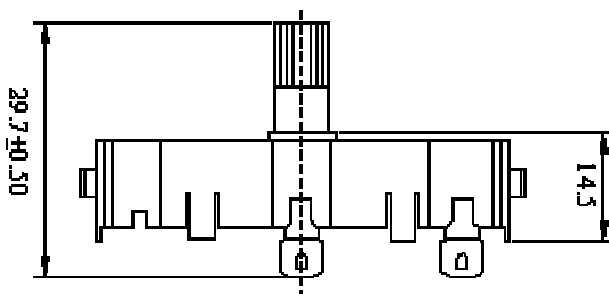
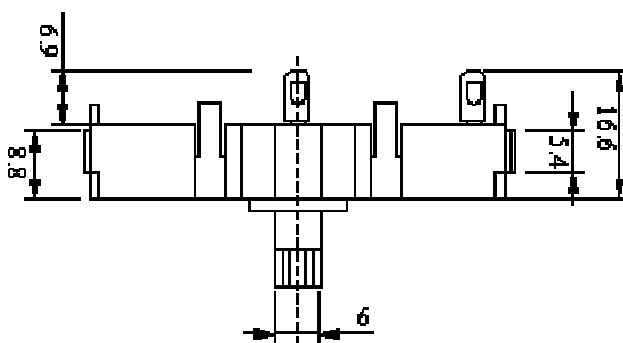
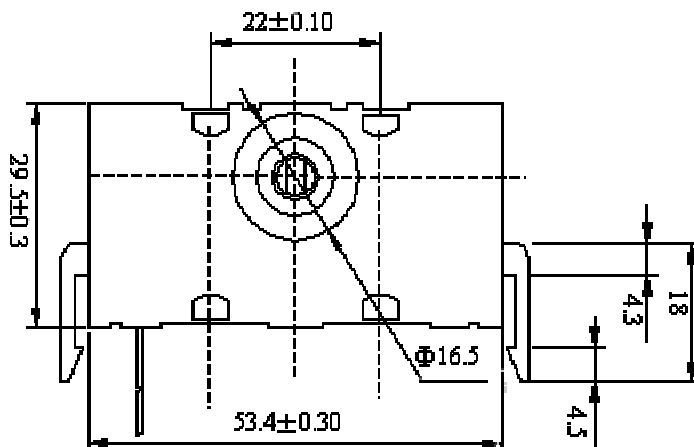


HIGH VOLTAGE FOCUS POTENTIOMETER - PHF008

A wide range of products for use with super high-resolution color displays for focus modulation with highly stable, high-voltage fluctuation characteristics. These products can also be used in CTVs, monitors, etc., to provide better pictures by reducing images distortion

HIGH VOLTAGE FOCUS POTENTIOMETER						
TYPE	RESISTANCE (M Ω)	VOLTAGE (KV)	VOLTAGE RATIO (%)		VOLTAGE RATIO (%)	
			MAX	MIN	MAX	MIN
PHF008	22.8 $\pm$ 20%	12.5	75~81	42~47		

DIMENSIONS:

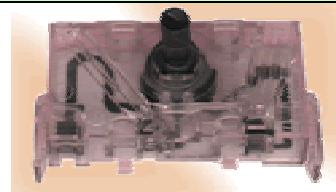




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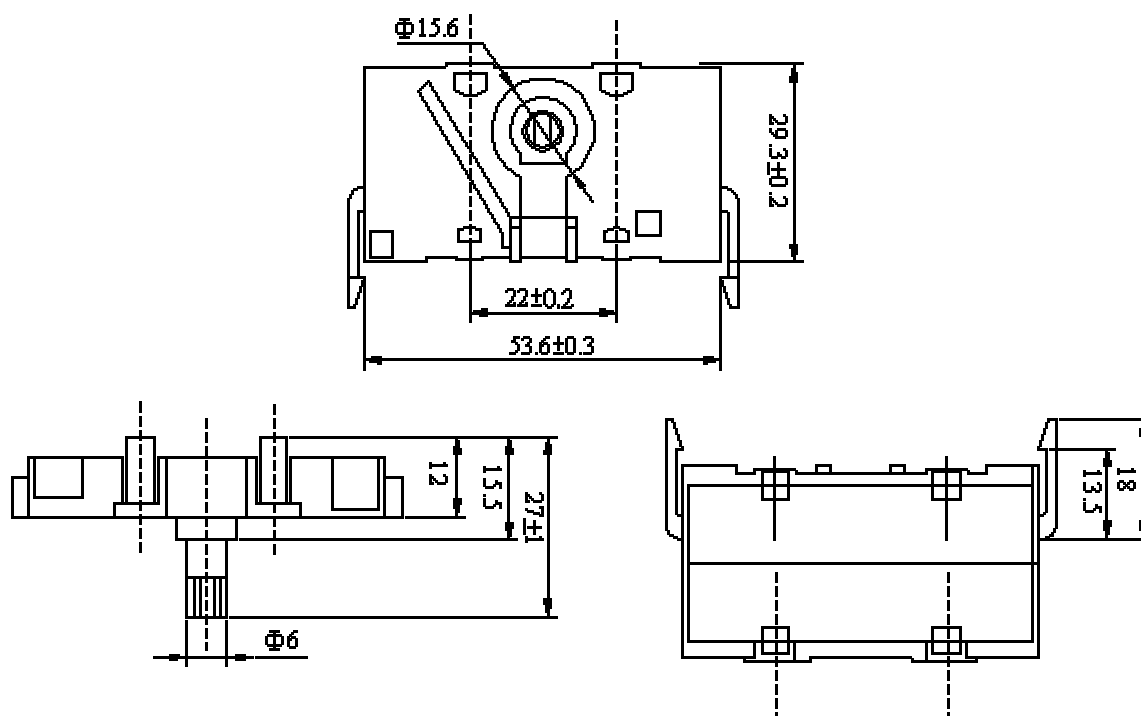
HIGH VOLTAGE FOCUS POTENTIOMETER - PHF009

A wide range of products for use with super high-resolution color displays for focus modulation with highly stable, high-voltage fluctuation characteristics. These products can also be used in CTVs, monitors, etc., to provide better pictures by reducing images distortion



HIGH VOLTAGE FOCUS POTENTIOMETER						
TYPE	RESISTANCE (M Ω)	VOLTAGE (KV)	VOLTAGE RATIO (%)		VOLTAGE RATIO (%)	
			MAX	MIN	MAX	MIN
PHF009	33.5 $\pm$ 20%	12.5	93~98	59~65		

DIMENSIONS:





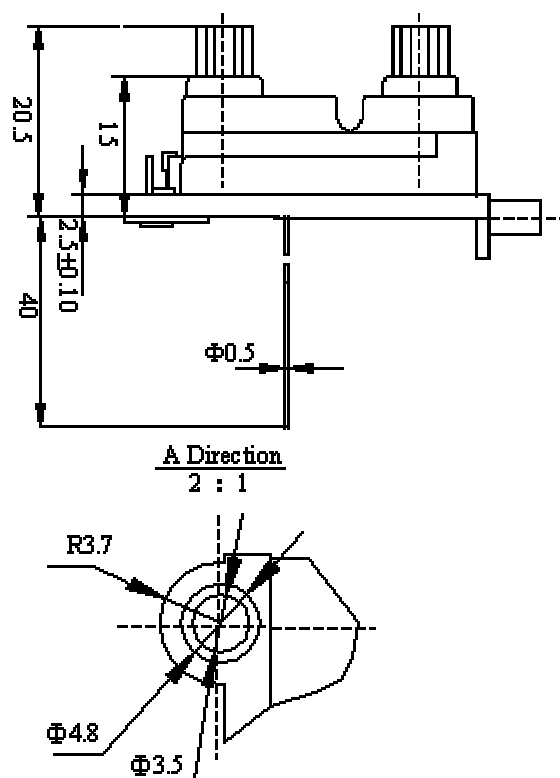
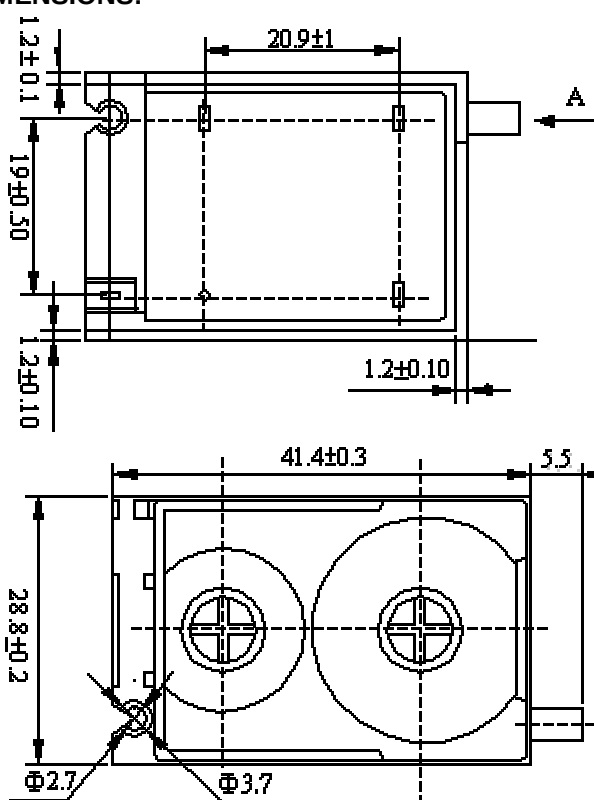
HIGH VOLTAGE FOCUS POTENTIOMETER – PHF106

A wide range of products for use with super high-resolution color displays for focus modulation with highly stable, high-voltage fluctuation characteristics. These products can also be used in CTVs, monitors, etc., to provide better pictures by reducing images distortion



HIGH VOLTAGE FOCUS POTENTIOMETER						
TYPE	RESISTANCE (M Ω)	VOLTAGE (KV)	VOLTAGE RATIO (%)		VOLTAGE RATIO (%)	
			MAX	MIN	MAX	MIN
PHF106-AM	100 $\pm$ 20%	10	95~99	55~65	13.5~17.5	0.5~3
PHF106-AM	100 $\pm$ 20%	10	83~88	35~45	15~20	0.5~3

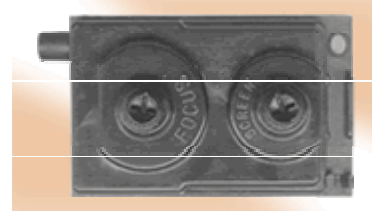
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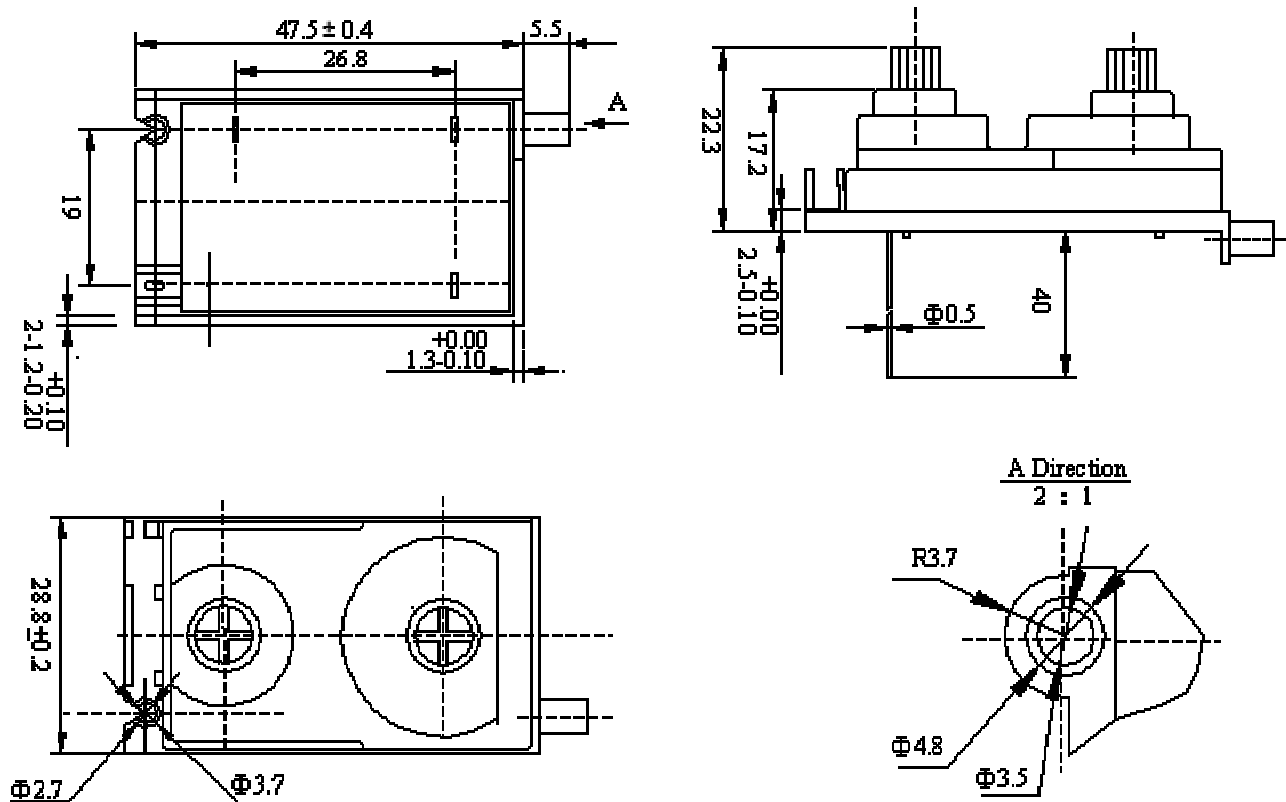
HIGH VOLTAGE FOCUS POTENTIOMETER – PHF107

A wide range of products for use with super high-resolution color displays for focus modulation with highly stable, high-voltage fluctuation characteristics. These products can also be used in CTVs, monitors, etc., to provide better pictures by reducing images distortion



HIGH VOLTAGE FOCUS POTENTIOMETER						
TYPE	RESISTANCE (MΩ)	VOLTAGE (KV)	VOLTAGE RATIO (%)		VOLTAGE RATIO (%)	
			MAX	MIX	MAX	MIX
PHF107-04	160±20%	12	76~81	42~51	9~13	0.6~2
PFH107-05	160±20%	12	72~78	37~43	8~12	0.6~2

DIMENSIONS:

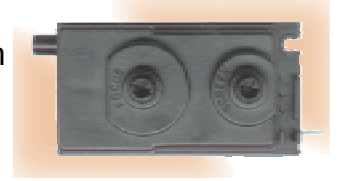




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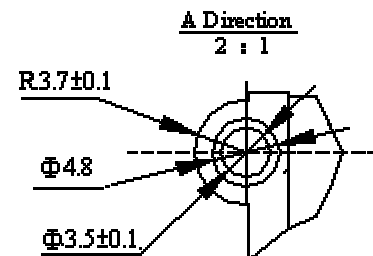
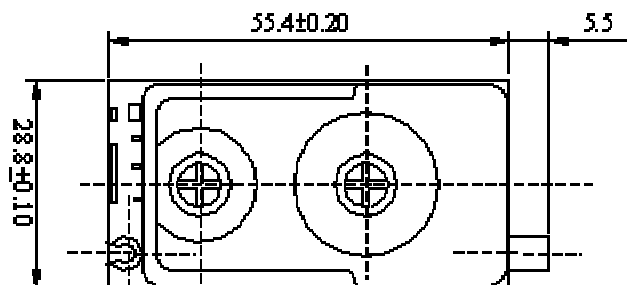
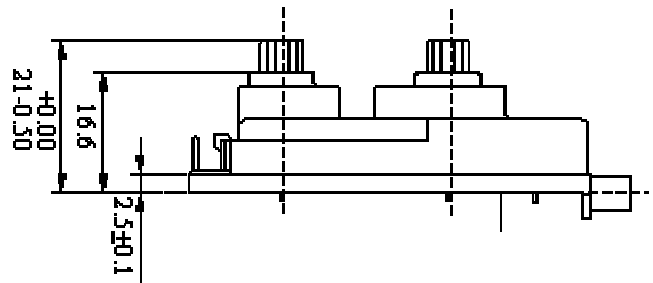
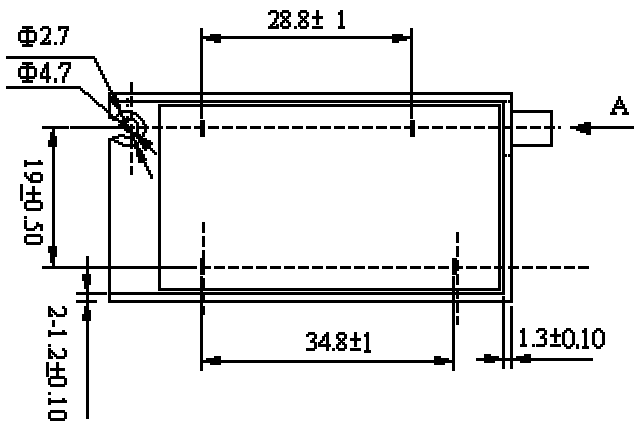
HIGH VOLTAGE FOCUS POTENTIOMETER – PHF128

A wide range of products for use with super high-resolution color displays for focus modulation with highly stable, high-voltage fluctuation characteristics. These products can also be used in CTVs, monitors, etc., to provide better pictures by reducing images distortion



HIGH VOLTAGE FOCUS POTENTIOMETER						
TYPE	RESISTANCE (M Ω)	VOLTAGE (KV)	VOLTAGE RATIO (%)		VOLTAGE RATIO (%)	
			MAX	MIN	MAX	MIN
PHF128-18	180 $\pm$ 20%	15	73~81	32~39	11~17	0.5~2
PHF128-MM	160 $\pm$ 20%	14	75~83	42~47	10~16	0.2~1.3
PHF128-20	160 $\pm$ 20%	14	86~90	48~56	10~15	0.5~ 1.1

DIMENSIONS:





A wide range of products for use with super high-resolution color displays for focus modulation with highly stable, high-voltage fluctuation characteristics. These products can also be used in CTVs, monitors, etc., to provide better pictures by reducing images distortion

DIMENSIONS:



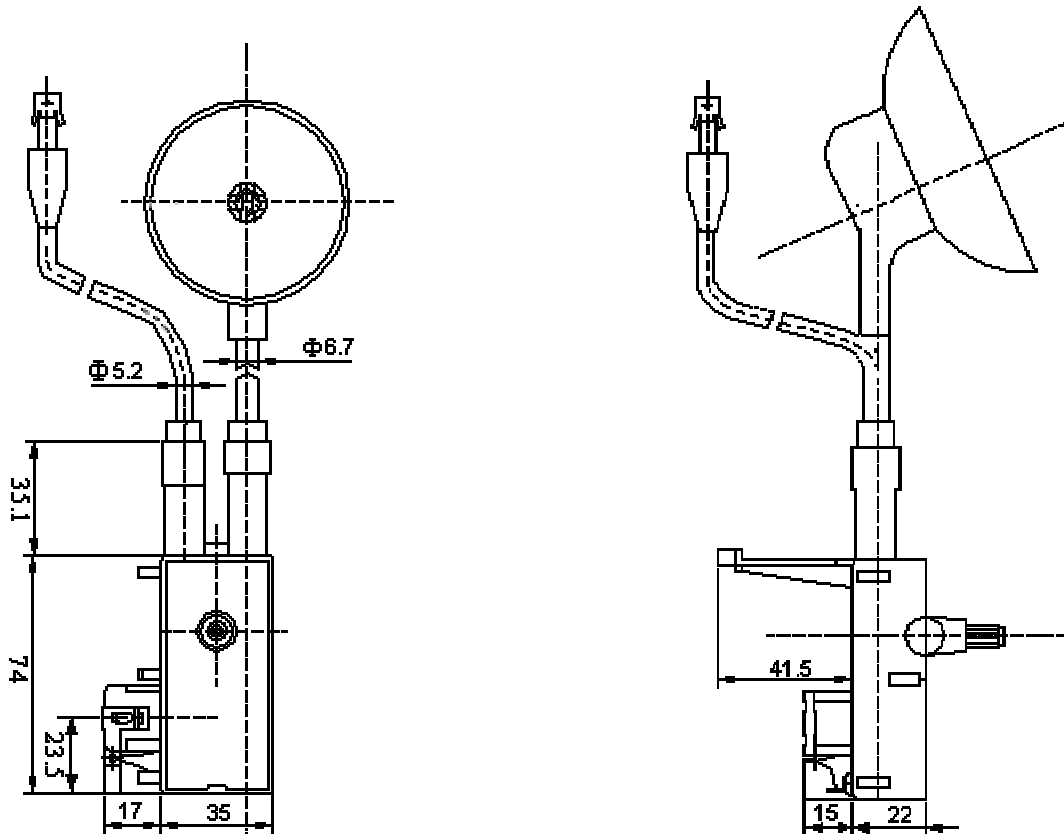


HIGH VOLTAGE FOCUS POTENTIOMETER – PHF201

A wide range of products for use with super high-resolution color displays for focus modulation with highly stable, high-voltage fluctuation characteristics. These products can also be used in CTVs, monitors, etc., to provide better pictures by reducing images distortion

HIGH VOLTAGE FOCUS POTENTIOMETER						
TYPE	RESISTANCE (M Ω)	VOLTAGE (KV)	VOLTAGE RATIO (%)		VOLTAGE RATIO (%)	
			MAX	MIN	MAX	MIN
PHF201	350 $\pm$ 20%	30	96~98	90~92		

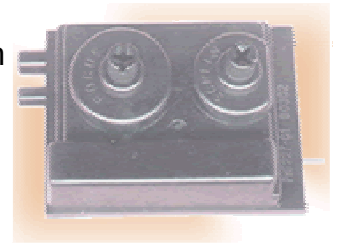
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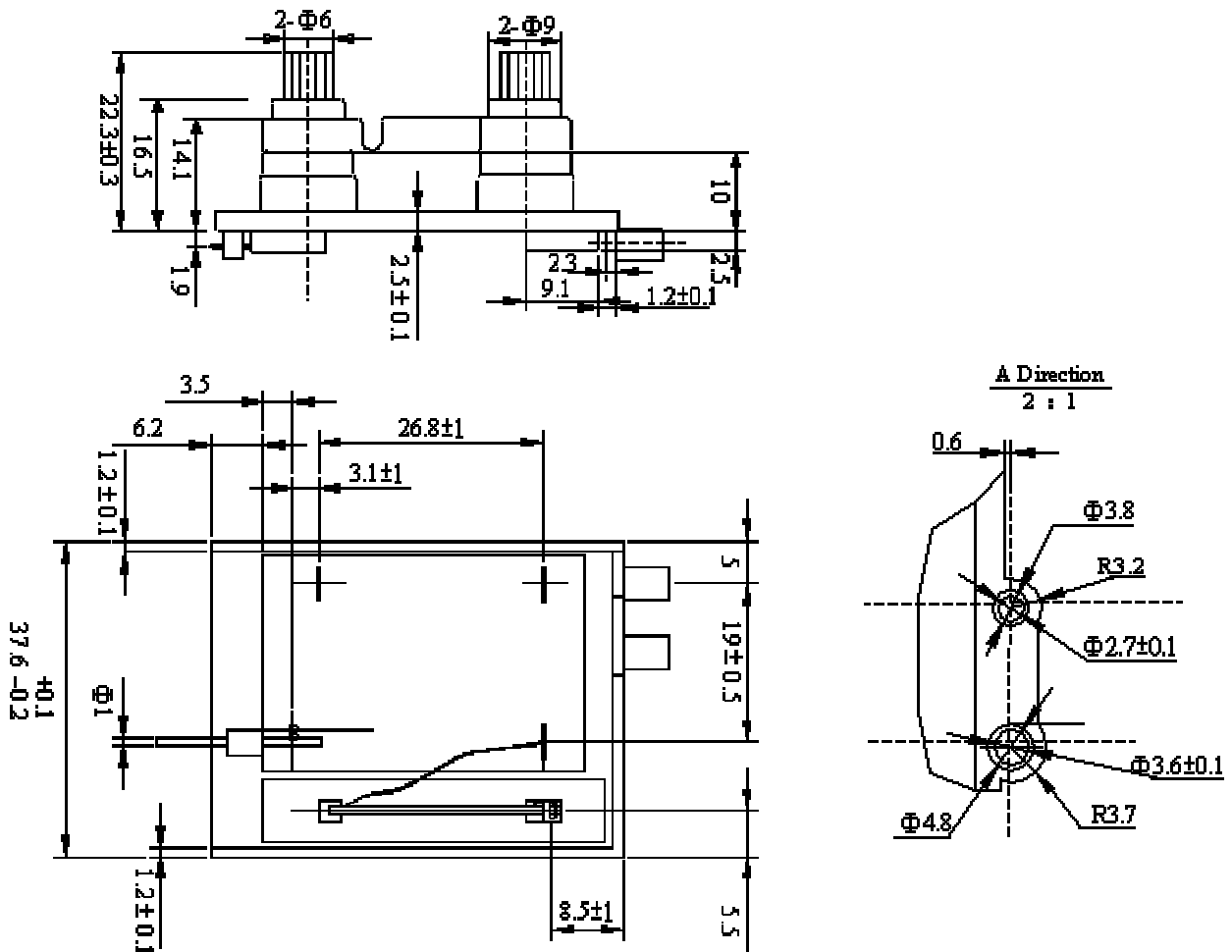
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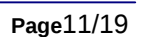
A wide range of products for use with super high-resolution color displays for focus modulation with highly stable, high-voltage fluctuation characteristics. These products can also be used in CTVs, monitors, etc., to provide better pictures by reducing images distortion



HIGH VOLTAGE FOCUS POTENTIOMETER						
TYPE	RESISTANCE (M Ω)	VOLTAGE	VOLTAGE	RATIO (%)	VOLTAGE RATIO (%)	
		(KV)	MAX	MIN	MAX	MIN
PHF227-01	120 $\pm$ 20%	12	96~99	43~48	11~14	0.5~0.3
PHF227-40	450 $\pm$ 20%	30	39~43	16~20	5~9	$\leq$ 0.5

DIMENSIONS:







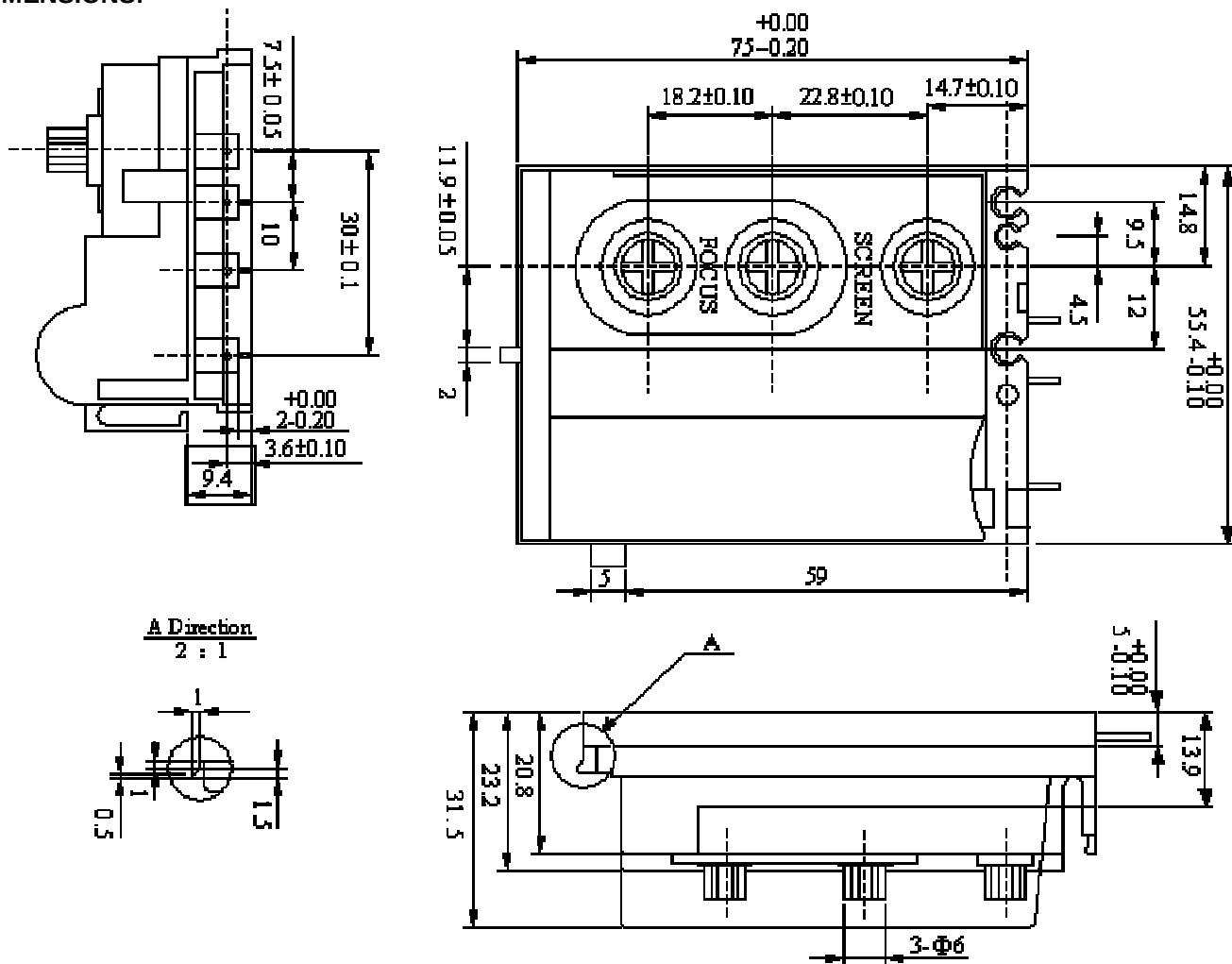
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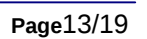
HIGH VOLTAGE FOCUS POTENTIOMETER – PHF245

A wide range of products for use with super high-resolution color displays for focus modulation with highly stable, high-voltage fluctuation characteristics. These products can also be used in CTVs, monitors, etc., to provide better pictures by reducing images distortion

HIGH VOLTAGE FOCUS POTENTIOMETER						
TYPE	RESISTANCE (M Ω)	VOLTAGE (KV)	VOLTAGE RATIO(%)		VOLTAGE RATIO(%)	
			MAX	MIN	MAX	MIN
PHF245-DS2	100 $\pm$ 20%	12	$\geq$ 99.5	60-67.7	12.5-19	$\leq$ 0.5

DIMENSIONS:







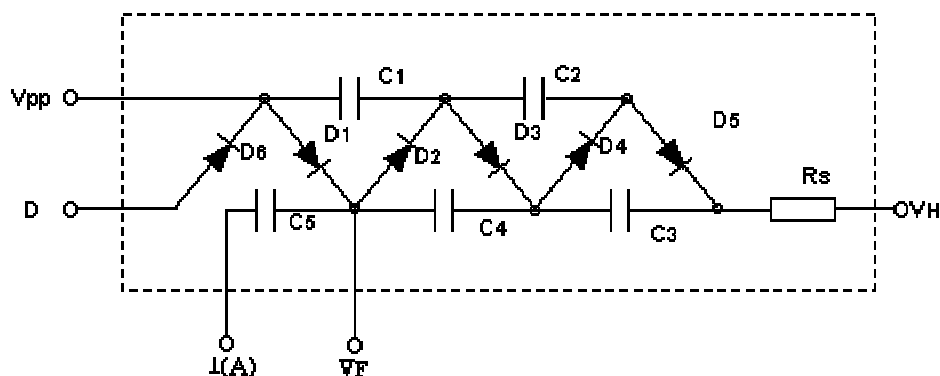
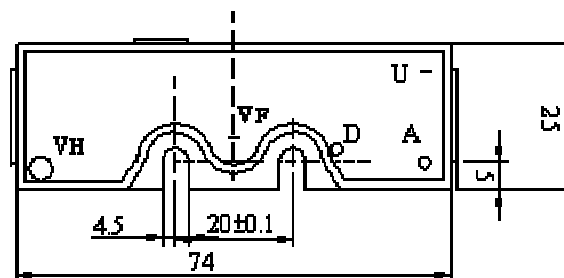
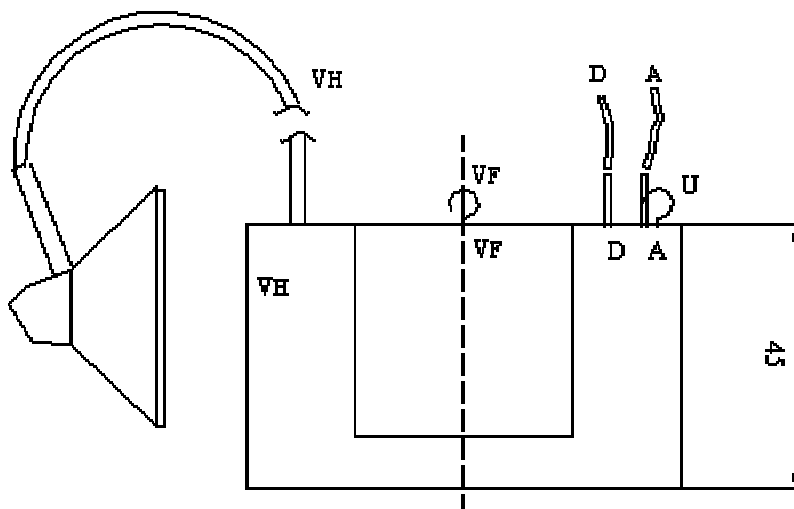
TOKEN MEANS QUALITY AND SERVICE

SILICON HIGH VOLTAGE TRIPLERS – BG1895

Different formats covering all the range of spare parts for ancient TV technologies and together with the classic line output transformers, allow the repair of these old TV models, their maintenance and fitting-out. Token triplers cover all the formats used by the different manufacturers as well as versions with and without the potentiometer focus.

OPERATING CHARACTERISTICS						
Peak input pulse voltage	V _{pp}	8.6	kV	V _{pp} (max)	10	kV
D.C.output voltage	V _H	25	kVDC	V _H (max)	27.5	kVDC
D.C.output current	I _H	1.5	mA	I _H (max)	1.7	mA
Focusing current	I _F	300	μA	I _b (max)	400	μA
Current through diode D6	I _H	3.5	mA	I _H (max)	4	mA
Ambient temperature	≤65°C					

DIMENSIONS:





SILICON HIGH VOLTAGE TRIPLERS – BG2087

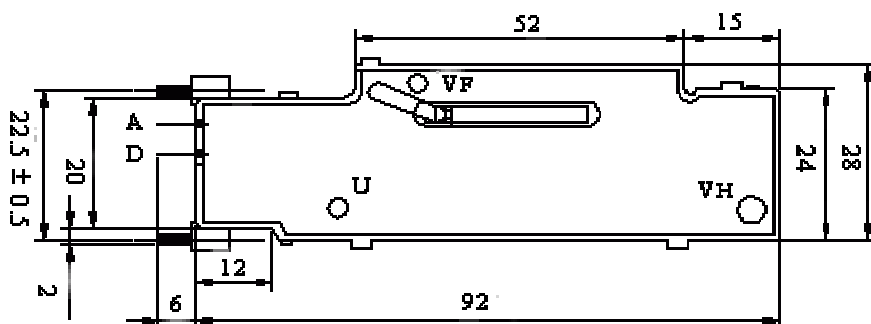
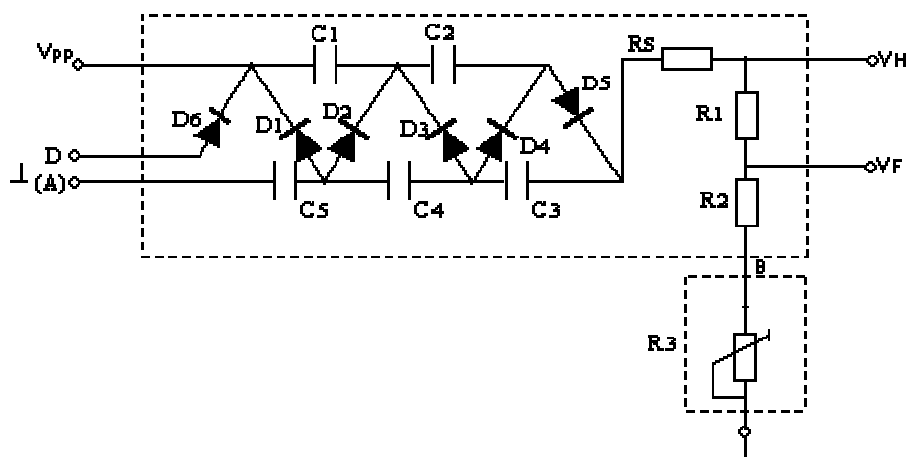
Different formats covering all the range of spare parts for ancient TV technologies and together with the classic line output transformers, allow the repair of these old TV models, their maintenance and fitting-out.

Token triplers cover all the formats used by the different manufacturers as well as versions with and without the potentiometer focus.



OPERATING CHARACTERISTICS						
Peak input pulse voltage	Vpp	8.8	kV	Vpp (max)	9.2	kV
D.C.output voltage	VH	25	Kvdc	VH (max)	27.5	kVDC
D.C.output current	IH	1.2	mA	IH (max)	1.5	mA
Bleeder current	IB	> 70	μ A	IB (max)		μ A
Current through diode D6	IH	3	mA	IH (max)	3.5	mA
Bleeder ratings	BG2087-642-1006			VF=(28~34.7%)VH		
	BG2087-642-1006G			VF=(26.6~29.8%)VH		
Ambient temperature	≤ 65℃					

DIMENSIONS:



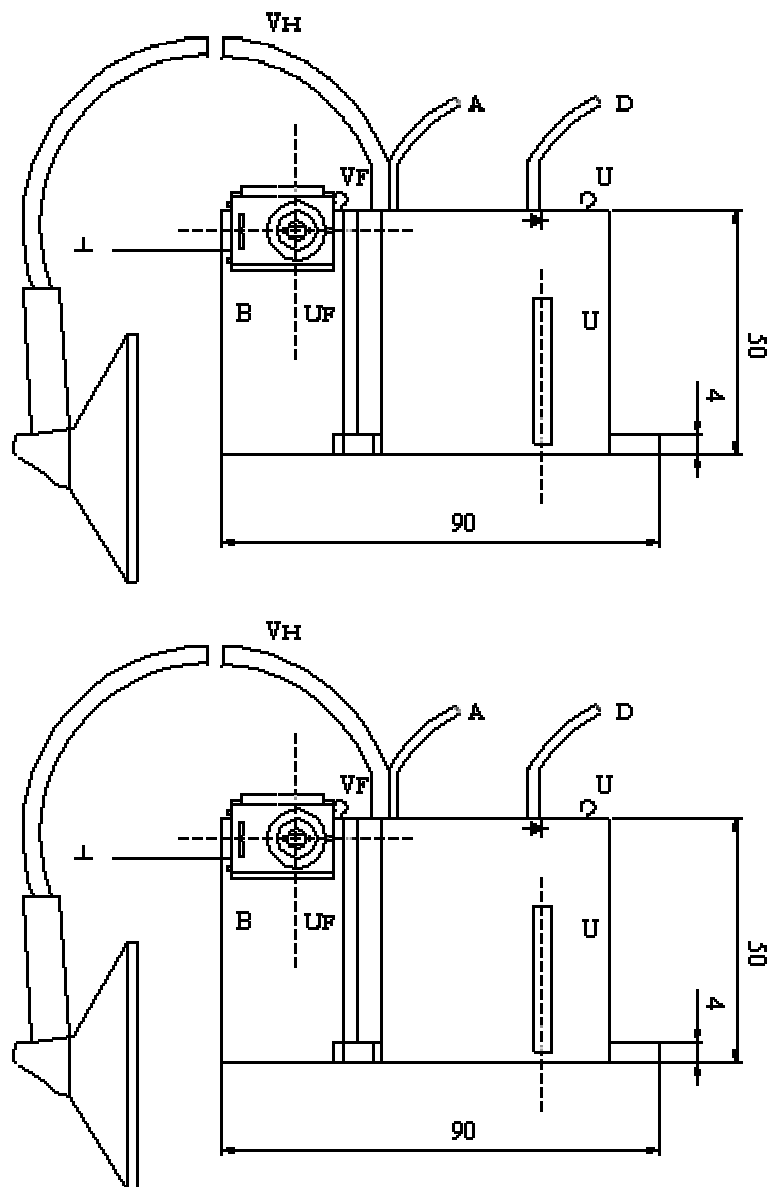


SILICON HIGH VOLTAGE TRIPLERS – BG2097

Different formats covering all the range of spare parts for ancient TV technologies and together with the classic line output transformers, allow the repair of these old TV models, their maintenance and fitting-out. Token triplers cover all the formats used by the different manufacturers as well as versions with and without the potentiometer focus.

OPERATING CHARACTERISTICS					
Peak input pulse voltage	V _{PP}	8.6	kV	V _{PP} (max)	10 kV
D.C.output voltage	V _H	25	kVDC	V _H (max)	27.5 kVDC
D.C.output current	I _H	1.2	mA	I _H (max)	1.7 mA
Bleeder current	I _B	> 70	μ A	I _B (max)	μ A
Current through diode D6	I _H	3.5	mA	I _H (max)	4 mA
Bleeder ratings	BG2097-642-306			VF=(24~28%)V _H	
	BG2097-642-332			VF=(28~34.7%)V _H	
Ambient temperature	≤ 65℃				

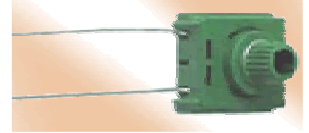
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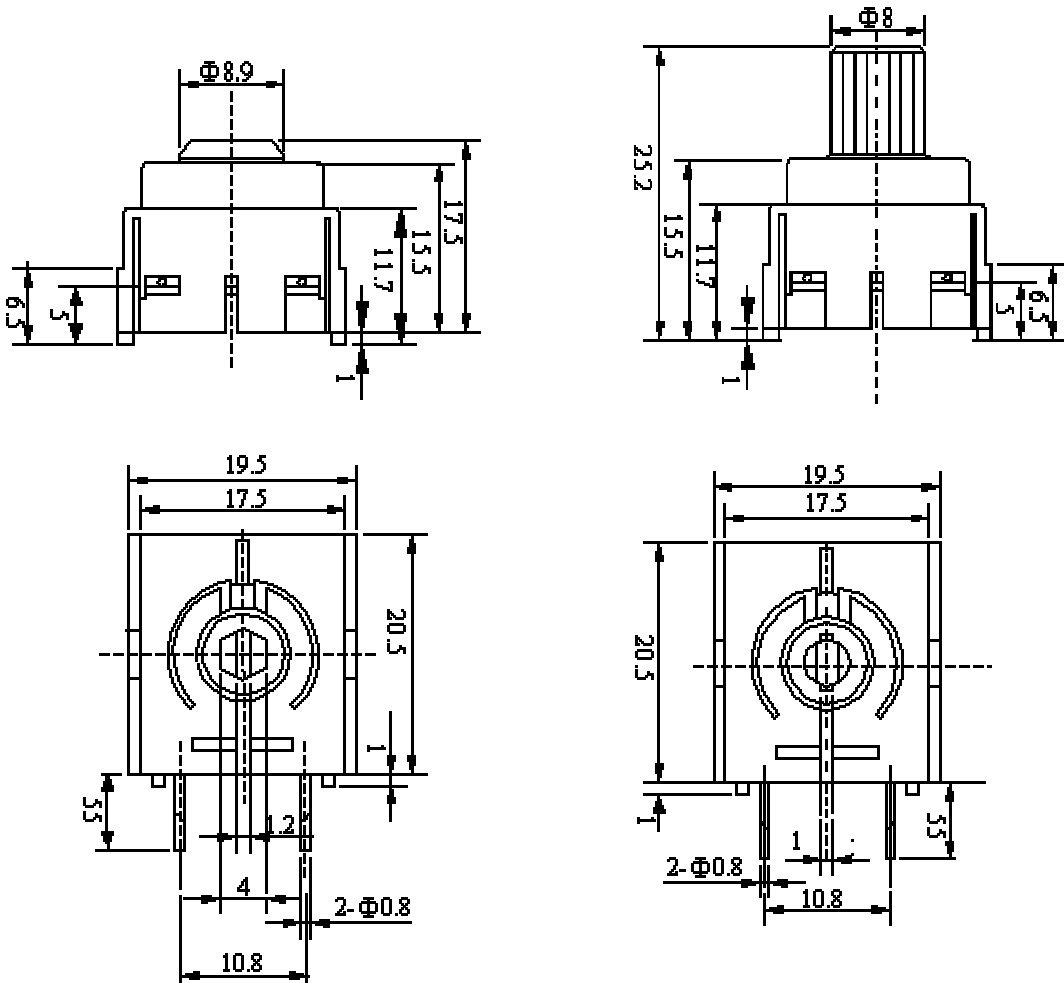
CERMET TRIMMING POTENTIOMETERS – T01

Different formats covering all the range of spare parts for ancient TV technologies and together with the classic line output transformers, allow the repair of these old TV models, their maintenance and fitting-out. Token triplers cover all the formats used by the different manufacturers as well as versions with and without the potentiometer focus.



CERMET TRIMMING POTENTIOMETER					
TYPE	RESISTANCE (M Ω)	VOLTAGE (KV)	RATED POWER (W)		
			40°C	70°C	110°C
T01	(30~100) $\pm$ 20%	2.5	0.5	0.3	0

DIMENSIONS:





CERMET TRIMMING POTENTIOMETERS – WI01

Different formats covering all the range of spare parts for ancient TV technologies and together with the classic line output transformers, allow the repair of these old TV models, their maintenance and fitting-out. Token triplers cover all the formats used by the different manufacturers as well as versions with and without the potentiometer focus.



CERMET TRIMMING POTENTIOMETER					
TYPE	RESISTANCE (MΩ)	Rated Wattage (W)	Rated Wattage (KW)	TCR	Derating curves
WI-01	2,2,7,3,3,4,7	1	1000	±400ppm/°C	look curves

DIMENSIONS:

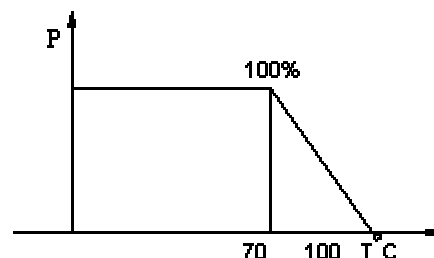
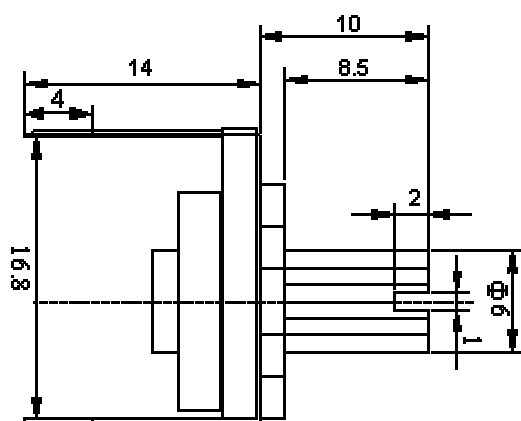
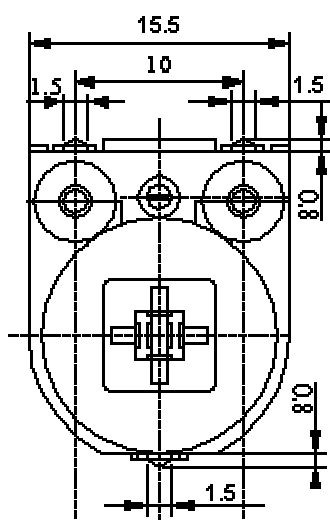


Figure 1: Derating Curves



Dimensions Of Installation

