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3rd Angle System Unit : mm Drawing Not to Scale

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Tsuyama Matsushita Electric Co.,Ltd.

Scope :	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·		,	,, <u></u> ,,
• Cont	rol shown is see samples			nce with our	specif	ications.			
<u>Mechanic</u> · Knob · Knob · Knob	<u>al Specifica</u> o rotation an o stopper str o rotation to o wobble	<u>tions :</u> gle ength	: 270° : 60.0 ml : 0.5 mN (Knob : Inclia	± 5° N·m min.(Sta n to 10.0 m shall be rot tion of the i it external	N∙m (At ated at knob sh	5 ℃ to 3! -10 ℃)	5°C)		
<u>Electric</u>	al <u>Specifica</u>	tions :			*1			<u>Power Derati</u>	<u>ng Curve</u>
Resistor No.s	Nominal total res. value and tolerance	Taper (Our code)	Minimum re between t #1 & #2		Rated power (W)	Rated Voltage(V)	Noise level (mV)	Percent of power roling	
R1	$50k \Omega \pm 30\%$	В	<u>10</u> Ωmax.	25 Ωmax.	0.01	AC 20	100max.	ā 50- 5 33	
R2	$50k \Omega \pm 30\%$	В	10 Ωmax.	25 Ωmax.	0.01	AC 20	100max.	- Bercer	
*]	For potenti Power Ratin the Power D	g shall b	be derated	ambient tem in accordance		es above 5() C,	o Ambient le	50 70 100 mperolure(*C)
• Таре	er	-	positio	voltage rati n.Percentage output volta	e of ing	out voltage	between	terminal 1 and	3
• Trac	king		and 3 o 1 and 2	f each resis to the appl	stor. Th lied vol	ne ratio of Itage shall	the out- be withi	d between term put between te n 3 dB from -2 ing the resist	rminals O dB to
	lation resis stand voltag			min.(At DC V, 1 min m			,		
• Rota	tion life ering heat		In ca In ca	ermittent and ase of hand s • 260 °C man ase of reflow	solderi x. , 3 w solde	ng s max. , 30 ring) W max.	ditions. (Only	/ 1 time)
<u>Notes :</u> • Mark	ing	•	• Nomir • <u>Tape</u> ı	dentification al resistance code and No code and code and	ce valu ominal Last 3	e —	<u>value</u> of our pa	Date code rt No.)	
• Caut	ion		• Pleas in or • Pleas elect • Pleas	der to preve e don't appi ric intermit	ideration ent know ly excest ttence. ce the p	on for prov o from side ssive stres	iding con force. s to term	struction to h inals to avoid on where corro	L .
• Othe	rs			ond to JIS-(requirement	S	CANIN	7
NAME	VARIAB	LE RESI	STOR		ISSUE	EMCO	· REVISIO	na <u>na PALan I</u> NSI <u>O</u> AL	DATE
TYPE NO.	EVU T	UA B16 1	B54		DRAWIN	ig Noi'is do 02448/07 i	CUMEN	TVALL	2 / 5
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Soldering conditions_:

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· Please solder mounting metal certainly.

• Re-soldering by slodering iron shall be allowed under 260 °C max., 3 s max., 1 time. Soldering iron for re-soldering have to be 30 W max.

· Please avoid washing after soldering, it may cause electrical contact failure.

• However the reflow temperature curve is the same as above profile, real thermal stress for part(s) and solderbility are depend on each reflow system.

Please do enough pre-checking for the reflow condtions on your system.

		EMCD THIS DO NOT P	ENCE ONLY - TECHNICAL CUMENT WILL RE UPDATED ROL DOCUMENT.		
NAME			- -		
	VARIABLE RESISTOR	ISSUE	REVISIONS	DATE	
TYPE NO.		DRAWING NO.			
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Prohibitions and precautions for handling.

1)Prohibited items on fire and smoking

- Absolutely avoid use of a potentiometer beyond its rated range because doing so may cause a fire. If misuse or abnormal use may result in conditions in which the potentiometer is used out of its rated range, take proper measures such as current interruption using a protective circuit.
- The grade of nonflammability for resin used in potentiometers is "94HB," which is based on UL94 Standards (flammability test for plastic materials). Prohibit use in a location where a spreading fire may be generated or prepare against a spreading fire.

2)For use in equipment for which safty requested

- Although care is taken to ensure potentiometer quality, inferior characteristics, short circuits, open circuits are some problems that might be generated. To design a set which places maximum emphasis on safety, review the affect of any single fault of a potentiometer in advance and preform virtually fail-safe design to ensure maximum safety by:
 - Preparing a protective circuit or a protective device to improve system safety, and
 - Preparing a redundant circuit to improve system safety so that the single fault of a potentiometer does not cause a dangerous situation.

3)Reliability

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- The item designed mainly corresponds to JIS(Japan Industry Standard) on the reliability conditions.
 - · Operation temperature range: -10 $^\circ\!\!\!C$ to +70 $^\circ\!\!\!C$
 - Preservative temperature range: -40 $^\circ\!\!\!C$ to +70 $^\circ\!\!\!C$

Handling of approval specification.

- This specification form specify this item only. Please perform your approval test in the actual application conditions beforehand.
- Please return one copy of this specification form with your approval stamp or signature to us.

Otherwise, it might be happened that the item can not be supplied.

- The terms to return back us after receipt of this product specificatin shall be one year from the issued date. In case more than one year past, please request us new specifications again before ordering this product.
- Writings in this specification form are subject to change through precautios.

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