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# ROYAL ELECTRONIC FACTORY (THAILAND) CO.LTD.

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厚聲集團

Date: Sept. 14, 2022

Re: Part No Explanation

Dear Valued Customers,

We thank you for your continuous patronage of **ROYALOHM** resistors.

UNI-ROYAL Group is one of the pioneers in chip resistor production for more than 20 yrs now.

Early 1990's, chip resistors have standard power rating corresponding to specific chip sizes.

Some customers refer to chip sizes & some refer to power rating when ordering.

In year 2000, UNI-ROYAL's upgraded chip resistors power rating, thus resulting to same power rating in different chip sizes. We use "-S" in power rating to differentiate between same power rating but different chip sizes.

As Chip Resistors become widely used, customers mostly use chip sizes (ex. 0402, 0603, etc...) when ordering. Since we still have customers with series approval of "-S", we maintain this part no.

Subsequent approvals/new customers, use the upgraded power rating without "-S".

We hereby declare:

Standard Thick Film Chip Resistors				
Size	Std	Upgraded	5th,6th digits	Remark
0402	1/16W	1/16W	WG	all produced in 1/16W <b>(WG)</b>
0603	1/16W	1/10W-S	WG,WA,SA	all produced in 1/10W <b>(WA)</b>
0805	1/10W	1/8W-S	WA, W8, S8	all produced in 1/8W <b>(W8)</b>
1206	1/8W	1/4W-S	W8, W4, S4	all produced in 1/4W <b>(W4)</b>
1210	1/4W	1/2W-SS	W4, S3, U2	all produced in 1/2W <b>(W2)</b>
2010	1/2W	3/4W-S	W2, 07	all produced in 3/4W <b>(07)</b>
2512	1W	1W	1W	all produced in 1W <b>(1W)</b>

All technical/electrical performance in "-S" & "W" are the same and is in compliance with the catalog specifications. Should you have more clarifications, please feel free to let us know.

Kind Regards,

Bea Dy – Sr. Global Sales Director – UR Group

Royal Electronic Factory (Thailand) Co., Ltd