

规格承认书

SPECIFICATION FOR APPROVAL

客户 CUSTOMER : _____

品名 PRODUCT : 压脚型采样电阻器

规格 TYPE : JW0.5-3.0

客户承认印
CUSTOMER APPROVED 广东翔胜电子科技有限公司
Guang Dong VICO Electronic Technology Co., Ltd地址：广东省东莞市大朗镇莞樟路大朗段746号301室
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一式二份 翔胜一份 客户一份

出图	业务	审核	核准
DRAWING	SALES	AUDITING	APPROVED
			

翔胜电子技术品质部

编号：JW2021

日期：2021年

无卤
(F,Cl,Br,I)

JW SERIES

压脚型采样电阻 Current Sensing Resistors-YSR Series

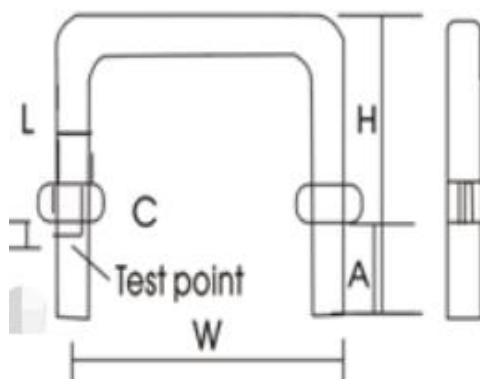
特征 Features



- 过电流能力 3-25 安培 Through current 3-25A
- 精度 $\pm 10\%$, $\pm 5\%$ 和 $\pm 2\%$ Tolerance $\pm 10\%$, $\pm 5\%$ and $\pm 2\%$
- 电阻温度系数低至 $\pm 40\text{ppm}/^\circ\text{C}$ TCR $\pm 40\text{ppm}/^\circ\text{C}$
- 低电感 Low inductance
- 符合 ROHS 要求 Lead-free
- 特殊规格可以订做 Special tolerance is available on

尺寸规格 Dimensions Data

L 线径/mm	W 跨距/mm	H 标高/mm	A 脚长/mm	T 压脚/mm
0.5~3.0	5~30	5~30	3.5 $\pm$ 0.2	0.75~3.3



命名规则 Order Information

JW	CU	2W	100m Ω	$\pm 5\%$	1.0mm	20.0mm	3.5mm
↓	↓	↓	↓	↓	↓	↓	↓
产品名称	材质	功率	阻值	精度	线径	跨距	脚长
跳线	CU 镀锡铜 KT 镀锡康铜	2W-3W	Unit:m Ω	K: $\pm 10\%$ J: $\pm 5\%$ G: $\pm 2\%$	0.5~3.0mm	Unit:mm	Unit:mm

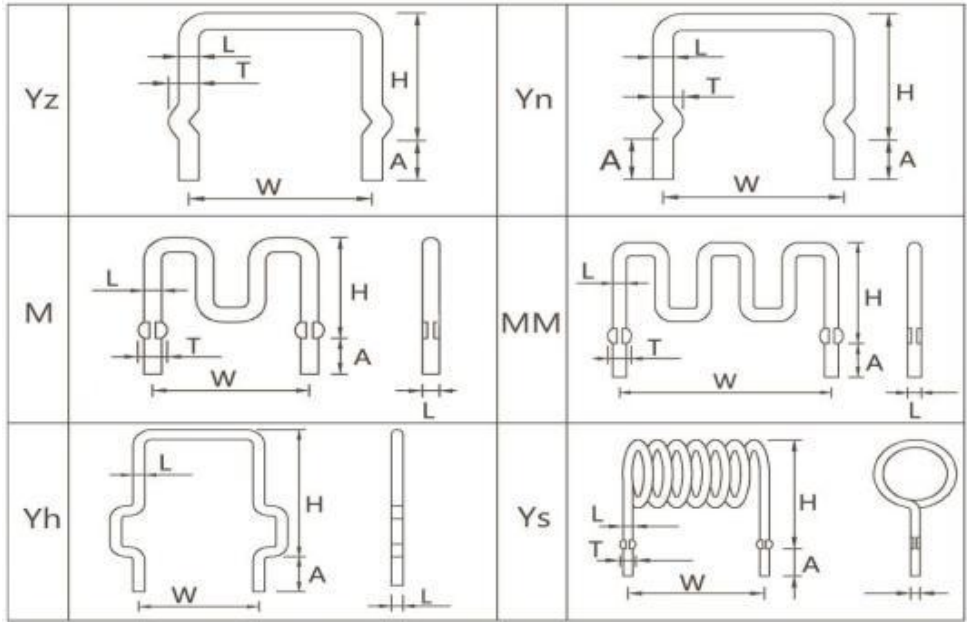
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压脚型采样电阻 Current Sensing Resistors-YSR Series

常规压脚（Y）采样电阻线径、常规跨距及阻值（mΩ）对照表 Type Data

线径/mm	过电流/A	跨距/mm					
		阻值可选范围/mΩ					
		5	10	15	20	25	30
0.5	3	30~160	45~175	60~190	75~205	90~220	105~235
0.6	4	25~110	35~120	45~130	55~140	65~150	75~160
0.7	5	15~80	22~87	29~94	35~100	42~107	49~114
0.8	5.5	12~60	17~65	22~70	28~75	33~80	39~85
0.9	6	10~48	14~52	18~56	22~60	26~64	30~68
1	7	7.5~38	11~41	14~43	18~46	21~49	24~52
1.1	7.5	6~32	9~35	12~37	15~40	18~43	21~47
1.2	8	5~25	7.5~28	10~31	12.5~34	15~37	18~40
1.3	8.5	4.5~23	6.5~25	8.5~27	11~29	13~31	15~33
1.4	9	3.5~19	5.5~21	7~23	9~25	11~27	13~29
1.5	9.5	3~16	4.5~17	6~28	7.5~20	9~23	11~24
1.6	10	/	4~15	5.5~17	6.5~19	8~21	10~23
1.8	12	/	3.5~12	4.5~13	5.5~14	6.5~15	7.5~17
2	15	/	3~9.5	3.5~11	4.5~12	5.5~13	6~14
2.3	18	/	2.2~7.5	2.8~8	3.5~8.5	4~9	4.8~10
2.5	20	/	1.8~6.5	2.3~7	2.8~7.5	3.3~8	3.8~8.5
3	25	/	1~4	1.3~4.3	1.6~4.6	1.9~4.9	2.2~5.2

※备注：下面是一些特殊形状 Remark: Blow are special shapes for reference



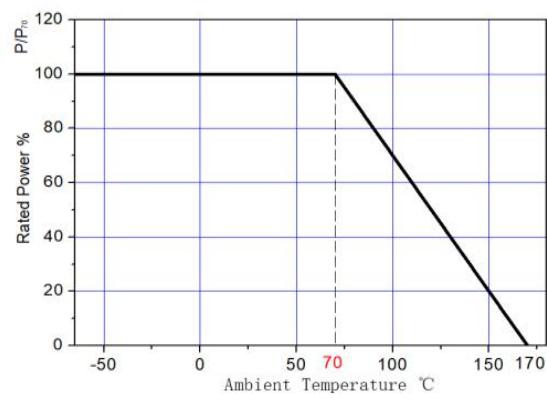
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耐久性测试 Endurance Test

Items	Additional Requirements	Reference	Limits
Temperature Cycling	1000 Cycles(-55°C to +125°C) Measurement at 24±2hours after test conclusion	JESD22 Method JA-104	± 0.5%
High Temperature Exposure	1000hrs.@T=125°C.Unpowered. Measurement at 24±2hours after test conclusion	MIL-STD-202 Method 108	± 0.5%
Moisture Resistance	t=24hrs/cycle.Note:Steps 7a & 7b not required. Unpowered. Measurement at 24±2hours after test conclusion	MIL-STD-202 Method 106	± 0.5%
Biased Humidity	1000hrs 85°C/85%RH。 Note:Specif ied conditions:10% of operating power. Measurement at 24±2hours after test conclusion	MIL-STD-202 Method 103	± 0.5%
Operational Life	Condition D Steady State TA=125°C at rated power. Measurement at 24±2hours after test conclusion	MIL-STD-202 Method 108	± 0.5%
Solderability	245°C ± 5°C, 5s+0. 5s/-0	J-STD-002C	95% Coverage Minimum
Vibration	5 g's for 20 min, 12 cycles each of 3 orientations. Note: Use 8"X5" PCB .031" thick 7 secure points on one long side and 2 secure points at corners of opposite sides. Parts mounted within 2" from any secure point. Test from 10-2000 Hz. Measurement at 24±2hours after test conclusion	MIL-STD-202 Method 204	± 0.5%
Resistance to	260°C±5°C, 10s±1s Measurement at 24±2hours after test conclusion	MIL-STD-202 Method 210	± 0.5%
Short Time Overload	5×Rated power for 5 s Measurement at 24±2hours after test conclusion	MIL-STD-202 Method 301	± 0.5%
Thermal Shock	-55°C/ + 125°C,300 Cycles,Maximum transfer time 20s , Dwell time 15min Measurement at 24±2hours after test conclusion	MIL-STD-202 Method 107	± 1%

功率曲线Power Derating Curve



应用范围Applications

- 电流采样 Current Sensing
- 驱动技术 Drive technology
- 功率电子 Power Electronic
- 家电控制器 Home Appliance
- 汽车电子 Automotive electronics
- 通讯系统 Communication System