

压脚型采样电阻 Current Sensing Resistors-HO-K Series



特征 Features

- 功率 1-3 瓦 1-3Watt
- $\pm 10\%$ 和 $\pm 5\%$ 精度 Tolerance $\pm 10\%$ or $\pm 5\%$
- 温度系数 TCR: $\pm 50\text{ppm}/^\circ\text{C}$
- 电感小于 10 纳亨 Low Inductance
- 符合 ROHS 要求 Lead-free
- 特殊规格可以订做

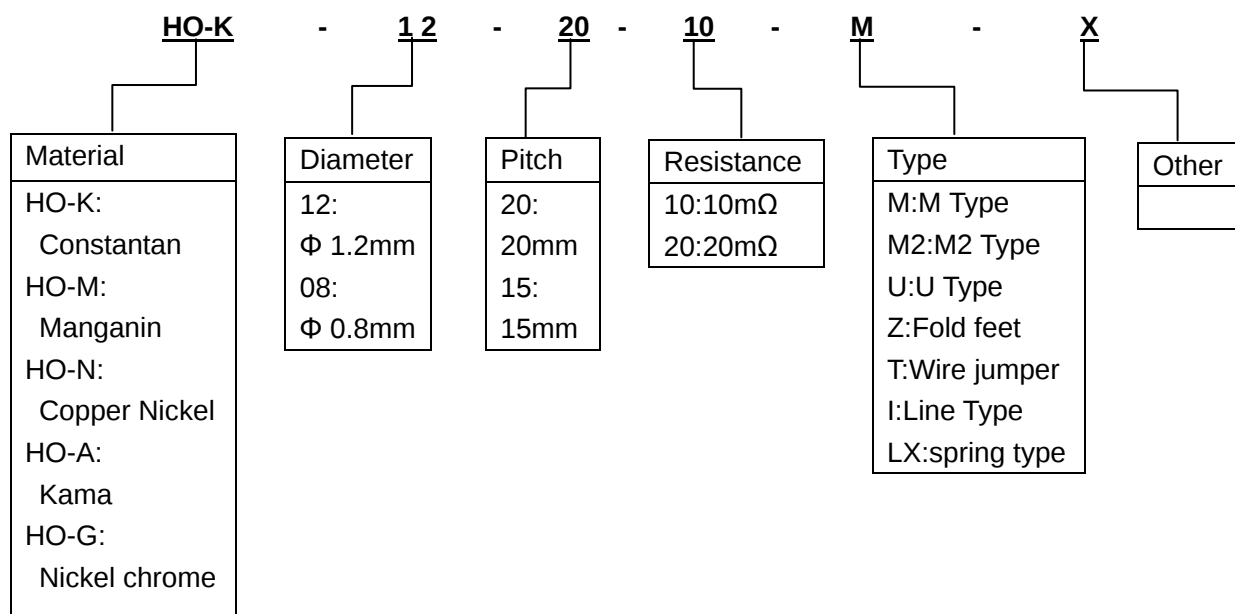
- Special tight tolerance are available on request

电气参数 Electrical Data

	HO-K		
85℃时功率 Power rating At 85℃ Watts	1	2	3
阻值范围 Resistance range ohms	0R001 to 0.05	0R002 to 0.010	0R005 to 0.020

*Contact factory for values below 10001 ohms.

命名规则 Order Information



图片选型PICTure Type	
T	
Tr	
Yt	
Yl	
Yz	
Yn	
Ta	
L	

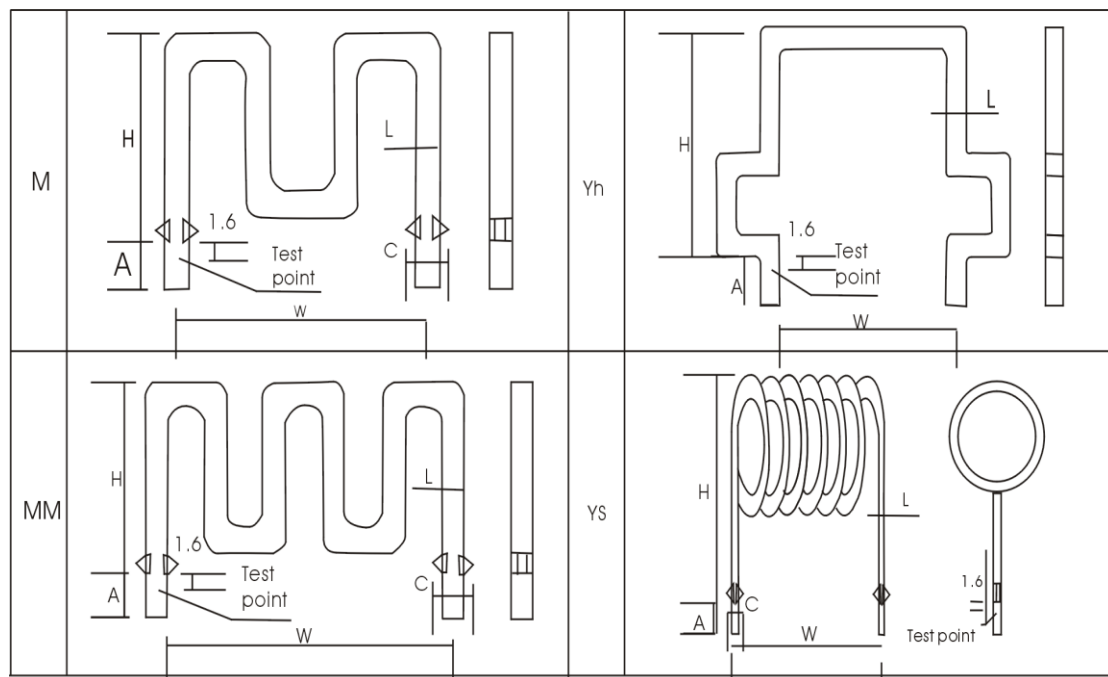
选型范围 Type Data

线径 L(mm)	过电流 Current (A)	可选阻值 Resistance(mΩ)/Type 插脚中心距离范围 W/高度范围 H									
2.5	20	7(max)/Y		6/Y		4/Y		2/Y		1.0(min)/T	
		10	35	10	30	10	19	10	8.5	10	4
2.3	18	8(max)/Y		7/Y		5/Y		3/Y		1.0(min)/T	
		10	10	10	28	10	20	10	11	8	4
2.0	15	17/M		12/Y		8/Y		5/Y		0.9(min)/T	
		20	25	10	36	10	24	10	14	8	4
1.8	12	21/M		15/Y		10/Y		5/Y		1.1(min)/T	
		20	25	10	36	10	24	10	10	6	4
1.6	10	27M/S		17/Y		12/Y		5/Y		2.2(min)/T	
		20	25	10	33	10	24	10	7	6	4
1.5	9.5	35/S		30/M		18Y		10/Y		1.9(min)/T	
		10	15	15	27	10	30	10	15	5	4
1.4	9	45/S		35/M		20/Y		10/Y		2.1(min)/T	
		10	15	15	27	10	29	10	13	5	4
1.3	8.5	65/S		40/M		25Y		10/Y		2.5(min)/T	
		10	15	15	26	10	31	10	11	5	4
1.2	8	85/S		60/M		25/Y		10/Y		2.9(min)/T	
		10	15	10	34	10	26	10	8	5	4
1.1	7.5	110/S		70/M		30/Y		15/Y		3.5(min)/T	
		10	15	10	34	10	26	10	11	5	4
1.0	7	135/S		80/M		40/Y		20/Y		4.2(min)/T	
		10	15	10	32	10	29	10	13	5	4
0.9	6	160/S		90/M		50/M		30/Y		4.6(min)/T	
		10	15	10	29	10	16	10	16	5	4
0.8	5.5	205/S		100/M		60/M		30/Yn		5.6(min)/T	
		10	15	10	25	10	15	10	12	5	4
0.7	5	270/S		110/M		70/M		30/Yn		4.9(min)/T	
		10	15	10	21	10	13	10	8	3	4
0.6	4	375/S		120/M		80M		40/Yn		4.58(min)/T	
		10	15	10	17	10	11	10	8	2.5	4
0.5	3	450/S		150/M		100/M		40/Yn		4.36(min)/T	
		10	15	10	17	10	9	10	4	2	4

跳线型 (T) 采样电阻线径·跨距及大概阻值 (mΩ) 对照表 T Type Resistance Data

W L \ MΩ	3	5	8	10	12	15	18	20	25	30	40	50
3.0				1	1.1	1.3	1.5	1.6	1.9	2.3	2.9	3.5
2.5				1.1	1.3	1.6	1.9	2.1	2.6	3.1	4.0	5.0
2.3			1.1	1.4	1.6	1.9	2.3	2.5	3.1	3.6	4.8	5.9
2.0			1.5	1.8	2.1	2.5	3.0	3.3	4.0	4.7	6.2	7.7
1.8		1.3	1.8	2.2	2.6	3.1	3.7	4.1	5.0	5.9	7.8	9.6
1.6		1.6	2.3	2.8	3.3	4.0	4.7	5.1	6.3	7.5	9.8	12.2
1.5	1.3	1.9	2.7	3.2	3.7	4.5	5.3	5.9	7.2	8.5	11.2	13.8
1.4	1.5	2.1	3.1	3.7	4.3	5.2	6.1	6.7	8.2	9.8	12.8	15.9
1.3	1.8	2.5	3.5	4.3	5.0	6.0	7.1	7.8	9.6	11.3	14.9	18.4
1.2	2.1	2.9	4.2	5.0	5.8	7.1	8.3	9.1	11.2	13.8	17.5	21.6
1.1	2.5	3.5	4.9	5.9	6.9	8.4	9.9	10.9	13.4	15.8	20.8	25.7
1.0	2.9	4.2	6.0	7.2	8.4	10.2	12.0	13.2	16.2	19.2	25.1	31.1
0.9	3.2	4.6	7.0	8.4	9.9	12.1	14.3	15.8	19.5	23.2	30.6	38
0.8	3.7	5.6	8.4	10.3	12.2	15.0	17.8	19.6	24.3	29.0	38.4	47.7
0.7	4.9	7.3	11.0	13.4	15.9	19.6	23.2	25.7	31.8	37.9	50.1	62.3
0.6	6.7	10.0	15.0	18.3	21.6	26.6	31.6	34.9	43.2	51.6	68.2	84.8
0.5	7.9	11.9	17.8	21.8	25.7	31.7	37.6	41.6	51.5	61.3	81.1	101

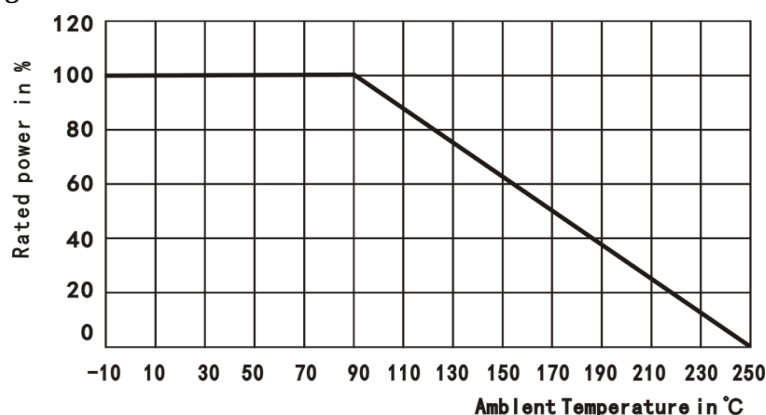
备注：下面是一些特殊形状 Indicate:the Below about Several special shapes



工作特性 performance Data

TEST	CONDITIONS OF TEST	TEST LIMITS
Thermal Shock	-55℃ to 150℃ ,100 cycles ,15min at each extreme	± (1.0%+0.0005Ω) △R
Shot time overload	5x rated power for 5s	± (0.5%+0.0005Ω) △R
Low temperature storage	-65℃ for 45 min	± (0.5%+0.0005Ω) △R
High temperature expo-sure	1000 h at +170℃	± (1.0%+0.0005Ω) △R
Bias humidity	+85℃ 85% RH, 10% bias, 1000 h	± (0.5%+0.0005Ω) △R
Mechanical shock	100 g's for 6 ms, 5 pulses	± (0.5%+0.0005Ω) △R
Vibration	Frequency varied 10 Hz to 200 Hz in 1 min, 3 directions, 12h	± (0.5%+0.0005Ω) △R
Resistance to solder heat	1000 h at + 70 ℃, 1.5 h“ON”, 0.5 h “OFF”	± (1.0%+0.0005Ω) △R
Resistance to solder heat	+ 260 ℃ solder, 10 s to 12 s dwell, 25 m m/s emergence	± (0.5%+0.0005Ω) △R
Moisture resistance	MIL-STD-202, method 106, 0 % power, 7a and 7b not re-quired	± (0.5%+0.0005Ω) △R

功率曲线 Power Derating



电气性能 Electrical Features

- 温度系数曲线 TCR Derating

