

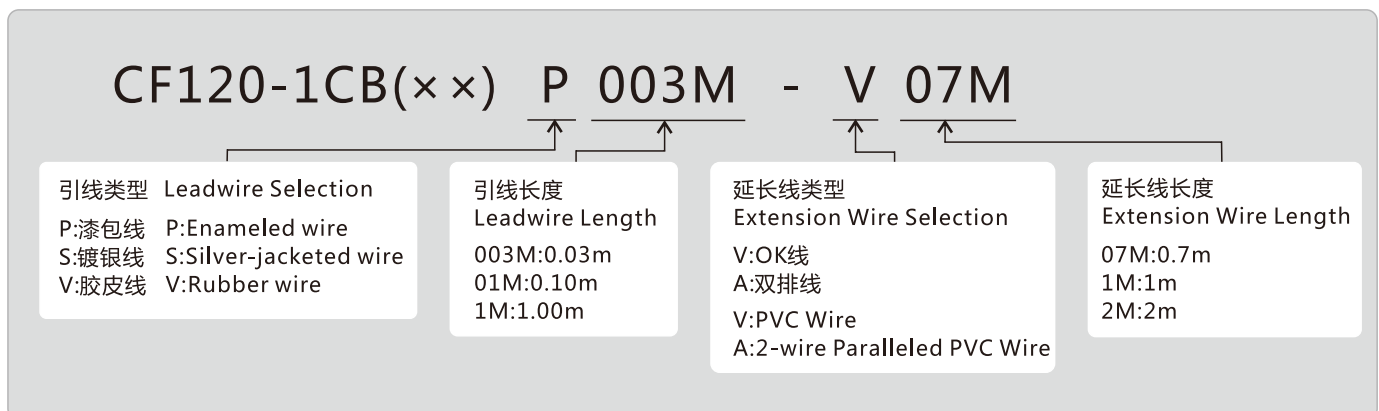
应变计型号中C##为蠕变自补偿编号, 蠕变号数字越小, 蠕变越负。不同编号间具有如下规律:
 C## is Creep code, different creep code on the following regulation:

C36 > C34 > C32 > C30 > C28 > C26 > C24 > C22 > C20 > C18 > C16 > C14 > C12 > C10 > C08 > C06 > C04 > C02
 + ←————— 蠕变 (Creep) —————→ -

相邻编号间蠕变编号之间相差0.01~0.015%R.O./30min.

The creep difference between any two neighbor codes is 0.01~0.015%R.O./30min.

带导线应变计命名原则 STRAIN GAUGE WITH LEADWIRE DESIGNATION SYSTEM







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STRAIN GAUGE FOR HIGH ACCURACY LOAD CELL

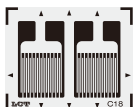





产品结构 Pattern	产品型号 Type	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	蠕变自补偿编号 Self-Creep Compensation Code
	CF350-0.8AA(XX)C##	0.8×1.9	3.1×2.6	C02, C04, C06, C08, C10, C12, C14, C16, C18, C20, C22, C24, C26, C28, C30, C32, C34, C36
	CF350-1.5AA(XX)C##	1.5×3.6	5.2×4.6	
	CF350-2AA(XX)C##	2.0×2.8	5.9×4.0	
	EF350-2AA(M11/M23)C##	2.0×1.4	4.6×2.0	
	CF350-3AA(XX)C##	3.0×3.1	7.4×4.5	
	CF350-4AA(XX)C##	4.0×2.7	8.2×4.3	
	CF350-5AA(XX)C##	5.0×3.0	9.2×4.5	
	CF1000-1.5AA(XX)C##	1.5×4.3	4.8×4.6	
	CF1000-1.8AA(XX)C##	1.8×3.8	5.9×4.7	
	CF1000-3AA(XX)C##	3.0×2.9	7.4×4.1	
	CF1000-5AA(XX)C##	5.0×2.6	9.0×3.6	
	EF1000-1.5AA(M11/M23)C##	1.5×3.2	4.7×4.1	
		CF350-2GB(XX)C##-060	2.0×2.7	
CF350-2GB(XX)C##-105		2.0×2.7	14.2×3.9	
EF350-2GB-(M11/M23)C##-105		2.0×3.0	14.0×4.0	
CF500-2GB(XX)C##-080		2.0×2.4	11.0×3.2	
CF1000-1.5GB(XX)C##-060		1.5×4.3	8.7×4.9	
CF1000-1.5GB(XX)C##-070		1.5×4.3	9.6×4.9	
EF1000-1.5GB(M11/M23)C##-070		1.5×3.2	9.7×4.1	
CF1000-1.5GB(XX)C##-105		1.5×4.3	13.3×4.9	
CF1000-2GB(XX)C##-060		2.2×3.4	9.7×4.3	
CF1000-2GB(XX)C##-070		2.0×3.3	10.3×4.0	
CF1000-2GB(XX)C##-105		2.0×3.5	13.5×4.1	
EF1000-2GB-(M11/M23)C##-105		2.0×3.0	14.1×4.0	
CF1000-3GB(XX)C##-105		3.0×3.0	14.6×4.4	
EF3000-3GB(M11/M23)C##-105		3.0×3.9	15.0×5.0	
EF1000-2GB(M11/M23)C##-070		2.0×3.0	10.6×4.0	



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产品结构 Pattern	产品型号 Type	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	蠕变自补偿编号 Self-Creep Compensation Code
	CF350-2FB(XX)C##	2.0×3.0	6.4×7.5	C10, C12, C14, C16, C18, C20
	CF350-3FB(XX)C##	3.0×2.9	7.4×7.4	
	CF350-4FB(XX)C##	4.0×2.4	8.2×6.8	
	CF1000-3FB(XX)C##	3.0×2.9	7.4×7.4	
	EF1000-2GB-A(M11/M23)C##-030	2.0×3.3	8.0×4.0	C02, C04, C06, C08
	EF1000-1.5GB-A(M11/M23)C##-030	1.5×4.1	8.1×5.0	
	EF350-1GB-B(M11/M23)C##-040	1.0×3.1	6.0×4.0	C02, C04, C06, C08
	CF1000-2GB-B(XX)C##-050	2.0×3.3	8.3×4.6	
	EF1000-1.5GB-C(M11/M23)C##-070	1.5×3.2	9.7×4.1	C02, C04, C06, C08
	CF350-2BB(XX)C##	2.0×2.5	5.9×7.7	C12, C14, C16, C18, C20, C26
	CF350-3BB(XX)C##	3.0×3.5	6.0×8.4	
	CF350-4BB(XX)C##	4.0×3.7	7.7×9.8	
	CF1000-3BB(XX)C##	3.0×3.6	6.4×8.7	
	CF2500-7.5BB(XX)C##	7.5×8.1	12.5×18.0	
	CF350-2BB-A(XX)C##	2.0×2.7	5.9×7.7	C12, C14, C16, C18, C20, C22, C24
	CF350-3BB-A(XX)C##	3.0×3.4	7.0×8.7	
	CF350-4BB-A(XX)C##	4.0×4.5	7.8×9.8	
	CF650-4BB-A(XX)C##	4.0×4.4	9.8×11.7	
	CF1000-3BB-A(XX)C##	3.0×3.5	6.4×8.0	



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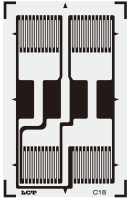
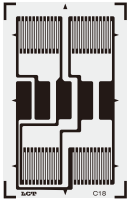

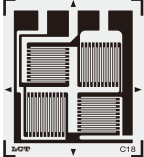
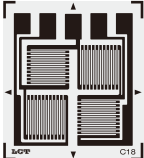
产品结构 Pattern	产品型号 Type	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	蠕变自补偿编号 Self-Creep Compensation Code
	CF350-2BB-B(XX)C##	2.0×2.8	6.2×5.4	
	CF350-2.5BB-B(XX)C##	2.5×3.1	5.6×5.6	
	CF350-3BB-B(XX)C##	3.0×3.5	7.4×4.9	C12, C14, C16, C18, C20, C24
	CF350-4BB-B(XX)C##	4.0×4.8	8.6×6.3	
	CF700-5BB-B(XX)C##	5.0×3.1	9.8×9.6	
	CF350-2AB(XX)C##	2.0×1.7	8.9×3.6	
	CF350-3AB(XX)C##	3.0×2.4	9.4×3.8	C08, C10, C12, C14, C16, C18, C20, C22
	CF350-4AB(XX)C##	4.0×3.1	12.0×4.7	
	CF120-3HA(XX)C##	3.0×5.3	9.4×6.6	
	CF350-2HA(XX)C##	2.0×4.0	8.9×5.7	
	CF350-3HA(XX)C##	3.0×5.3	9.4×6.6	C08, C10, C12, C14, C16, C18, C20, C22, C24, C26, C28
	CF350-4HA(XX)C##	4.0×6.6	9.6×8.0	
	CF700-3HA(XX)C##	3.0×5.2	9.8×6.6	
	CF1000-3HA(XX)C##	3.0×5.2	9.4×6.6	
	CF350-2HA-A(XX)C##	2.0×4.0	8.9×5.7	
	CF350-3HA-A(XX)C##	3.0×5.3	9.4×6.6	C08, C10, C12, C14, C16, C18, C20, C22, C24, C26, C28
	CF350-4HA-A(XX)C##	4.0×6.6	9.6×8.0	
	CF650-3HA-A(XX)C##	3.0×5.3	9.4×6.6	
	CF700-3HA-A(XX)C##	3.0×5.3	9.8×6.6	
	CF350-2HA-B(XX)C##	2.0×4.0	7.1×5.7	
	EF350-2HA-B(M11/M23)C##	2.0×4.6	7.2×5.4	
	CF350-3HA-B(XX)C##	3.0×5.6	9.6×6.7	C08, C10, C12, C14, C16, C18, C20, C22
	CF350-4HA-B(XX)C##	4.0×7.0	9.8×8.2	
	CF1000-3HA-B(XX)C##	3.0×5.3	9.4×6.6	
	CF350-2HA-C(XX)C##	2.0×4.8	7.1×6.4	
	CF350-3HA-C(XX)C##	3.0×6.0	9.6×7.2	C08, C10, C12, C14, C16, C18, C20, C22
	CF350-4HA-C(XX)C##	4.0×7.5	9.8×8.7	
	CF1000-3HA-C(XX)C##	3.0×6.0	9.6×7.2	



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产品结构 Pattern	产品型号 Type	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	蠕变自补偿编号 Self-Creep Compensation Code
	CF350-2FG(XX)C## -060	2.0×2.1	9.6×5.5	C02, C04, C06, C08, C10, C12, C14, C16, C18, C20, C22, C24
	EF350-2FG(M11/M23)C## -060	2.0×2.6	9.6×6.5	
	CF1000-2FG(XX)C##-060	2.2×3.4	9.6×7.6	
	CF1000-2FG(XX)C##-070	2.0×3.3	9.7×7.7	
	CF1000-3FG(XX)C##-060	3.0×2.9	10.6×7.0	
	EF1000-2FG(M11/M23)C##-060	2.0×2.5	9.6×6.5	
	CF350-2FG-A(XX)C##-060	2.0×2.1	9.6×5.5	C02, C04, C06, C08, C10, C12, C14, C16, C18, C20, C22, C24
	EF350-2FG-A(M11/M23)C##-060	2.0×2.6	9.6×6.5	
	CF1000-2FG-A(XX)C##-060	2.2×3.4	9.6×7.6	
	CF1000-2FG-A(XX)C##-070	2.0×3.3	9.7×7.7	
	CF1000-3FG-A(XX)C##-060	3.0×2.9	10.6×7.0	
	CF1000-3FG-B(XX)C##-105	3.0×2.9	15.1×7.0	
	CF350-2EA-A(XX)C##	2.0×5.4	13.6×6.8	C20
	CF350-2EB(XX)C##	2.0×2.6	8.6×7.1	C24
	EF350-2EB(M11/M23)C##	2.0×2.6	8.6×7.1	
	CF350-2EB-A(XX)C##	2.0×2.6	8.6×7.1	C24
	EF350-2EB-A(M11/M23)C##	2.0×2.6	8.6×7.1	
	EF1000-2EB-A(M11/M23)C##	2.0×2.6	8.6×7.1	



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产品结构 Pattern	产品型号 Type	敏感栅尺寸 Grid Dim LxW(mm)	基底尺寸 Carrier Dim LxW(mm)
	CF350-6KA(XX)	ø5.5	ø6.0
	CF350-7KA(XX)	ø6.5	ø7.0
	CF350-8KA(XX)	ø7.4	ø8.0
	CF350-10KA(XX)	ø9.4	ø10.0
	CF350-12KA(XX)	ø11.0	ø12.0
	CF350-13KA(XX)	ø12.5	ø13.0
	CF350-16KA(XX)	ø15.4	ø16.0
	EF350-8KA(M11/M23)	ø7.4	ø8.0
	EF350-15KA(M11/M23)	ø14.4	ø15.0
	CF1000-10KA(XX)	ø9.5	ø10.0
	CF1000-11.7KA(XX)	ø11.2	ø11.7
	CF1000-12KA(XX)	ø11.5	ø12.0
	CF1000-13KA(XX)	ø12.5	ø13.0
	EF1000-6KA(M11/M23)	ø5.5	ø6.0
	EF1000-7KA(M11/M23)	ø6.5	ø7.0
	EF1000-8KA(M11/M23)	ø7.4	ø8.0
	EF1000-15KA(M11/M23)	ø14.4	ø15.0
EF2000-12KA(M11/M23)	ø11.5	ø12.0	
	CF350-13KA-A(XX)	ø12.5	ø13.0
	CF1000-10KA-A(XX)	ø9.5	ø10.0
	EF1000-10KA-A(M11/M23)	ø9.6	ø10.0
	EF1000-13KA-A(M11/M23)	ø12.5	ø13.0
	EF2500-13KA-A(M11/M23)	ø12.0	ø13.0
	CF350-9KA-C(XX)	ø8.5	ø9.0
	CF350-9.5KA-C(XX)	ø9.1	ø9.5
	CF350-11KA-C(XX)	ø10.0	ø10.6
	CF350-13KA-C(XX)	ø12.5	ø13.0
	CF350-16KA-C(XX)	ø15.4	ø16.0
	EF350-4.6KA-C(M11/M23)	ø4.2	ø4.6
	EF350-6KA-C(M11/M23)	ø5.6	ø6.0
	EF350-10KA-C(M11/M23)	ø9.6	ø10.0
	EF1000-6KA-C(M11/M23)	ø6.0	ø8.0
	EF1000-19KA-C(M11/M23)	ø18.0	ø19.0



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STRAIN GAUGES FOR STRESS ANALYSIS





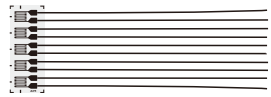

产品结构 Pattern	产品型号 Type	阻值(Ω) Resistance	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	引线(m) Leadwire	延长线(m) PVC Wire	
 (x5)	CF60-01AA(11)P003M	60	0.1×1.2	3.6×3.0	0.03		
	CF120-02AA(11)P003M	120	0.2×1.2	3.6×3.0	0.03		
	◆单轴 超小尺寸 Uniaxial Pattern Micro size	EF120-05AA(11)P003M	120	0.5×0.8	2.1×1.2	0.03	
	EF120-05AA(11)P003M-V2M	120	0.5×0.8	2.1×1.2	0.03	2	
	CF120-05AA(11)P003M	120	0.5×1.3	3.0×2.5	0.03		
 (x5)	CF120-1AA(11)P003M	120	1.0×1.2	3.8×1.4	0.03		
	CF120-1AA(11)P003M-V2M	120	1.0×1.2	3.8×1.4	0.03	2	
	CF120-1.4AA-A(11)P003M	120	1.4×0.9	1.8×2.6	0.03		
	CF120-2AA(11)P003M	120	2.0×1.1	5.0×1.5	0.03		
	CF120-3AA(11)P003M	120	3.0×2.0	7.5×2.8	0.03		
	CF120-3AA(11)P003M-V2M	120	3.0×2.0	7.5×2.8	0.03	2	
	CF120-5AA(11)P003M	120	5.0×2.3	9.5×3.0	0.03		
	CF350-08AA(11)P003M	350	0.8×1.5	2.2×1.8	0.03		
	CF350-1AA(11)P003M	350	1.0×4.8	5.2×6.0	0.03		
	◆单轴 常用尺寸 Uniaxial Pattern Standard size	CF350-2AA-2(11)P003M	350	2.0×2.0	6.0×3.5	0.03	
	CF350-3AA-2(11)P003M	350	3.0×2.0	7.1×3.5	0.03		
	CF350-5AA-2(11)P003M	350	5.0×2.0	9.2×3.5	0.03		
	CF350-5AA(11)P003M	350	5.0×3.0	9.2×4.5	0.03		



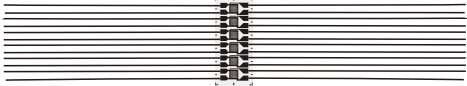
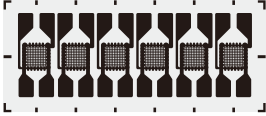
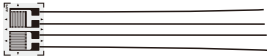











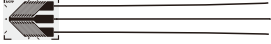

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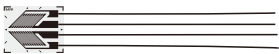

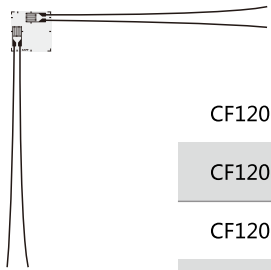
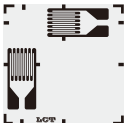
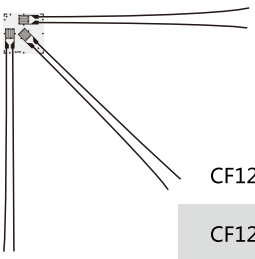
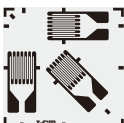
应力测试用应变计


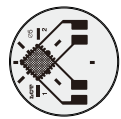

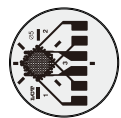
STRAIN GAUGES FOR STRESS ANALYSIS






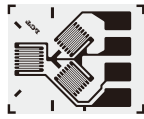
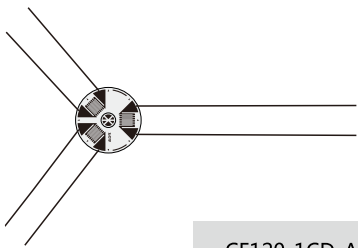
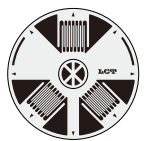
产品结构 Pattern	产品型号 Type	阻值(Ω) Resistance	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	引线(m) Leadwire	延长线(m) PVC Wire	
  (x1.5)	CF120-10AA(11)P003M	120	10.0×4.0	16.0×5.2	0.03		
	CF120-20AA(11)P003M	120	20.0×4.3	26.0×7.0	0.03		
	CF120-30AA(11)P003M	120	30.0×3.5	38.0×7.0	0.03		
	CF120-40AA(11)P003M	120	40.0×3.0	50.0×7.0	0.03		
	CF120-60AA(11)P003M	120	60.0×2.2	75.0×8.0	0.03		
	CF120-80AA(11)P003M	120	80.0×2.5	90.0×7.0	0.03		
	CF120-100AA(11)P003M	120	100.0×3.0	108.0×7.0	0.03		
	CF350-10AA(11)P003M	350	10.0×4.0	16.0×5.2	0.03		
	CF350-20AA(11)P003M	350	20.0×4.3	26.0×7.0	0.03		
	CF350-30AA(11)P003M	350	30.0×3.5	38.0×7.0	0.03		
	◆单轴 超长尺寸 Uniaxial Pattern Super-long size	CF350-40AA(11)P003M	350	40.0×3.0	50.0×7.0	0.03	
	CF350-60AA(11)P003M	350	60.0×3.1	75.0×8.0	0.03		
	CF350-80AA(11)P003M	350	80.0×2.5	90.0×7.0	0.03		
	CF350-100AA(11)P003M	350	100.0×3.0	108.0×7.0	0.03		
	  (x2)	CF120-2FB(11)P003M	120	2.0×3.0	6.4×7.5	0.03	
◆平行双轴 Parallel Dual-axial Pattern		CF120-3FB(11)P003M	120	3.0×2.9	7.4×7.4	0.03	
CF120-4FB(11)P003M		120	4.0×2.4	8.2×6.8	0.03		
  (x2)	CF120-1FD(11)P003M	120	1.0×1.4	4.0×12.0	0.03		
	◆平行多轴 Parallel Multiaxial Pattern	CF120-2FD(11)P003M	120	2.0×1.3	5.0×12.0	0.03	
	CF120-3FD(11)P003M	120	3.0×2.3	7.5×17.0	0.03		

产品结构 Pattern	产品型号 Type	阻值(Ω) Resistance	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	引线(m) Leadwire	延长线(m) PVC Wire
						
	CF120-1GD(11)P003M	120	1.0×1.2	4.0×12.0	0.03	
	CF120-2GD(11)P003M	120	2.0×1.1	5.0×17.0	0.03	
	CF120-3GD(11)P003M	120	3.0×2.0	7.5×22.0	0.03	
						
	CF120-1XY(11)P003M	120	1.0×1.2	5.9×12.0	0.03	
	CF120-2XY(11)P003M	120	2.0×1.1	7.5×17.0	0.03	
	CF120-3XY(11)P003M	120	3.0×2.0	12.6×23.7	0.03	
						
	CF120-1BB(11)P003M	120	1.0×1.2	4.0×4.0	0.03	
	CF120-2BB(11)P003M	120	2.0×2.5	5.9×7.7	0.03	
	CF350-3BB(11)P003M	350	3.0×3.5	6.0×8.4	0.03	
	CF350-4BB(11)P003M	350	4.0×3.7	7.7×9.8	0.03	
						
	CF120-1AB-A(11)P003M	120	1.0×1.2	5.2×1.8	0.03	
	CF120-2AB-A(11)P003M	120	2.0×1.9	8.0×2.6	0.03	
	CF120-3AB-A(11)P003M	120	3.0×2.6	9.0×3.4	0.03	

产品结构 Pattern	产品型号 Type	阻值(Ω) Resistance	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	引线(m) Leadwire	延长线(m) PVC Wire
  (x5)	CF120-1AB-A1(11)P003M	120	1.0×1.2	5.2×1.8	0.03	
	CF120-2AB-A1(11)P003M	120	2.0×1.9	8.0×2.6	0.03	
	CF120-3AB-A1(11)P003M	120	3.0×2.6	9.0×3.4	0.03	
  (x2.5)	CF120-3HA(11)P003M	120	3.0×5.3	9.4×6.6	0.03	
	CF120-2HA(11)P003M	120	2.0×4.0	8.9×5.7	0.03	
	CF120-3HA(11)P003M	120	3.0×5.3	9.4×6.6	0.03	
	CF120-4HA(11)P003M	120	4.0×6.6	9.6×8.0	0.03	
  (x2.5)	CF350-2HA-A(11)P003M	350	2.0×4.0	8.9×5.7	0.03	
	CF350-3HA-A(11)P003M	350	3.0×5.3	9.4×6.6	0.03	
	CF350-4HA-A(11)P003M	350	4.0×6.6	9.6×8.0	0.03	
  (x3)	CF120-2HA-B(11)P003M	120	2.0×4.0	7.1×5.7	0.03	
	EF120-2HA-B(11)P003M	120	2.0×4.6	7.2×5.4	0.03	
	CF120-3HA-B(11)P003M	120	3.0×5.6	9.6×6.7	0.03	
	CF120-4HA-B(11)P003M	120	4.0×7.0	9.8×8.2	0.03	

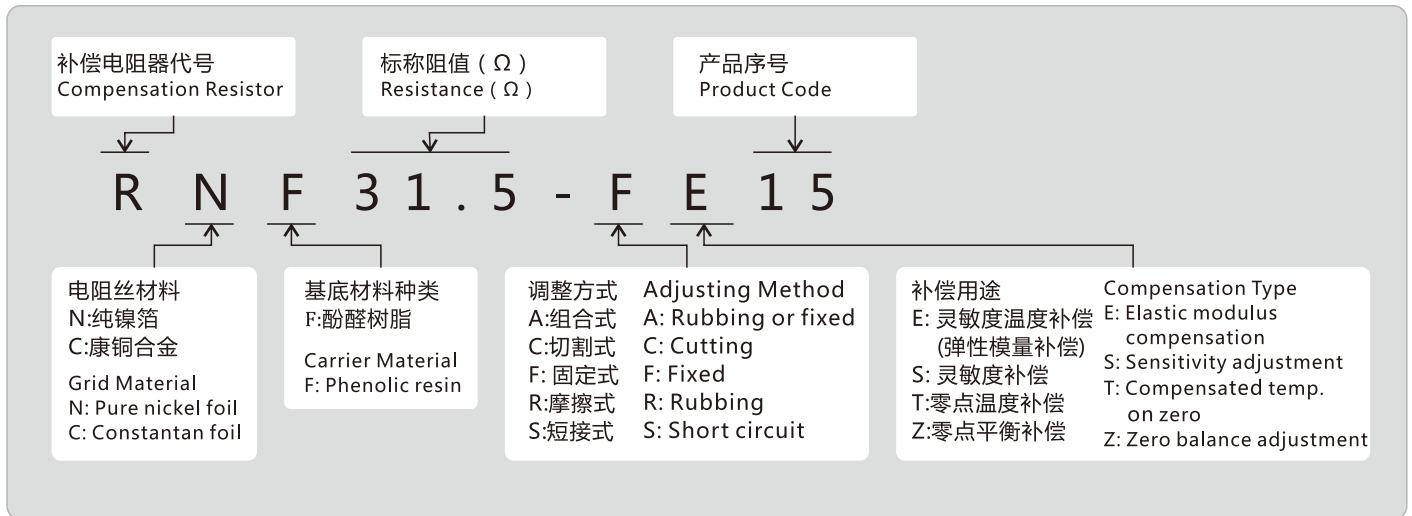
产品结构 Pattern	产品型号 Type	阻值(Ω) Resistance	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	引线(m) Leadwire	延长线(m) PVC Wire
			 (x3)			
	CF120-2HA-C(11)P003M	120	2.0×4.8	7.1×6.4	0.03	
	CF120-3HA-C(11)P003M	120	3.0×6.0	9.6×7.2	0.03	
	CF120-4HA-C(11)P003M	120	4.0×7.5	9.8×8.7	0.03	
			 (x3)			
	CF120-1BA(11)P03M	120	1.0×1.2	5.5×5.5	0.3	
	CF120-2BA(11)P03M	120	2.0×1.1	7.8×7.8	0.3	
	CF120-3BA(11)P03M	120	3.0×2.0	9.0×9.0	0.3	
	CF120-4BA(11)P03M	120	4.0×2.1	10.0×10.0	0.3	
	CF350-1BA(11)P03M	350	1.2×1.9	7.5×7.5	0.3	
	CF350-2BA(11)P03M	350	2.0×1.5	7.8×7.8	0.3	
	CF350-3BA(11)P03M	350	3.0×2.0	9.0×9.0	0.3	
CF350-4BA(11)P03M	350	4.0×2.1	10.0×10.0	0.3		
			 (x3)			
	CF120-1CA(11)P03M	120	1.0×1.2	5.5×5.5	0.3	
	CF120-2CA(11)P03M	120	2.0×1.1	7.8×7.8	0.3	
	CF120-3CA(11)P03M	120	3.0×2.0	9.0×9.0	0.3	
	CF120-4CA(11)P03M	120	4.0×2.1	10.0×10.0	0.3	
	CF350-1CA(11)P03M	350	1.2×1.9	7.5×7.5	0.3	
	CF350-2CA(11)P03M	350	2.0×1.5	7.8×7.8	0.3	
	CF350-3CA(11)P03M	350	3.0×2.0	9.0×9.0	0.3	
CF350-4CA(11)P03M	350	4.0×2.1	10.0×10.0	0.3		

产品结构 Pattern	产品型号 Type	阻值(Ω) Resistance	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	引线(m) Leadwire	延长线(m) PVC Wire
						
 (x3)	CF120-1BC(11)P03M	120	1.0×1.2	∅5.0	0.3	
	CF120-1BC(11)P03M-V07M	120	1.0×1.2	∅5.0	0.3	0.7
	CF120-2BC(11)P03M	120	2.0×1.1	∅7.0	0.3	
	CF120-3BC(11)P03M	120	3.0×2.0	∅10.0	0.3	
	CF120-4BC(11)P03M	120	4.0×2.1	∅11.0	0.3	
	CF350-1BC(11)P03M	350	1.2×1.9	∅8.0	0.3	
	CF350-1BC(11)P03M-V07M	350	1.2×1.9	∅8.0	0.3	0.7
	CF350-2BC(11)P03M	350	2.0×2.0	∅10.0	0.3	
						
 (x3)	CF120-1CB(11)P03M	120	1.0×1.2	∅5.0	0.3	
	CF120-1CB(11)P03M-V07M	120	1.0×1.2	∅5.0	0.3	0.7
	CF120-1CB(11)P03M-V1M	120	1.0×1.2	∅5.0	0.3	1
	CF120-1CB(11)P03M-V2M	120	1.0×1.2	∅5.0	0.3	2
	CF120-1CB(11)P05M-V07M	120	1.0×1.2	∅5.0	0.5	0.7
	CF120-2CB(11)P03M	120	2.0×1.1	∅7.0	0.3	
	CF120-3CB(11)P03M	120	3.0×2.0	∅10.0	0.3	
	CF120-4CB(11)P03M	120	4.0×2.1	∅11.0	0.3	
	CF350-1CB(11)P03M	350	1.2×1.9	∅8.0	0.3	
	CF350-1CB(11)P03M-07M	350	1.2×1.9	∅8.0	0.3	0.7
	CF350-1CB(11)P03M-1M	350	1.2×1.9	∅8.0	0.3	1
	CF350-1CB(11)P03M-2M	350	1.2×1.9	∅8.0	0.3	2
	CF350-2CB(11)P03M	350	2.0×2.0	∅10.0	0.3	

产品结构 Pattern	产品型号 Type	阻值(Ω) Resistance	敏感栅尺寸 Grid Dim L×W(mm)	基底尺寸 Carrier Dim L×W(mm)	引线(m) Leadwire	延长线(m) PVC Wire
  (x3)	EF120-05CB(11)P03M	120	0.4×0.6	2.0×2.0	0.3	
	EF120-05CB(11)P03M-V07M	120	0.4×0.6	2.0×2.0	0.3	0.7
	CF120-1CB-B(11)P03M-V07M	120	1.0×0.7	2.7×2.8	0.3	0.7
	CF120-1CB-B(11)P03M-V1M	120	1.0×0.7	2.7×2.8	0.3	1
	CF120-1CB-B(11)P05M-V07M	120	1.0×0.7	2.7×2.8	0.5	0.7
	CF120-1CB-C(11)P03M	120	1.0×1.2	4.0×4.0	0.3	
	CF120-1CB-C(11)P03M-V07M	120	1.0×1.2	4.0×4.0	0.3	0.7
	CF350-2CB-C(11)P03M	350	2.0×2.0	7.0×7.0	0.3	
	CF350-2CB-C(11)P03M-V07M	350	2.0×2.0	7.0×7.0	0.3	0.7
  (x3)	CF120-1CA-A(11)P003M	120	1.0×1.2	4.5×6.0	0.03	
  (x3)	CF120-1CD-B(11)P003M	120	1.0×1.2	6.5×5.0	0.03	
  (x2)	CF120-1CD-A(11)P003M	120	1.0×1.2	9.0×9.0	0.03	

补偿电阻命名原则

COMPENSATION RESISTOR DESIGNATION SYSTEM








产品结构 Pattern	产品型号 Type	标称阻值 Resistance(Ω)	定制阻值 Customized Resistance(Ω)	敏感栅尺寸 Grid Dim	基底尺寸 Carrier Dim
		(24°C)	(24°C)	L×W(mm)	L×W(mm)
	RNF10.0 - FE12	10	8.0 - 12.0	2.7×2.5	6.0×3.6
	RNF15.0 - FE15	15	13.0 - 18.0	2.7×2.8	6.1×3.7
	RNF20.0 - FE14	20	19.0 - 25.0	2.7×2.9	6.1×3.8
	RNF25.0 - FE16	25	29.0 - 34.0	2.7×3.1	5.9×3.9
	RNF35.0 - FE17	35	35.0 - 39.0	2.7×2.7	5.9×3.8
	RNF40.0 - FE19	40	40.0 - 54.0	2.7×2.7	5.9×3.8
	RNF65.0 - FE65	65	55.0 - 75.0	2.6×2.9	5.9×3.8
	RNF80.0 - FE59	80	80.0 - 95.0	3.2×2.9	5.8×3.5
	RNF120.0 - FE54	120	96.0 - 120.0	3.2×3.0	5.8×3.9
	RNF130.0 - FE57	130	124.0 - 130.0	3.2×3.2	5.8×3.9
	RNF140.0 - FE61	140	135.0 - 140.0	3.2×3.5	5.8×4.1
	RNF150.0 - FE63	150	145.0 - 170.0	3.2×3.7	5.8×4.3
	RCF169 - FE55	169	150 - 190	2.6×2.2	5.9×3.5

RNF系列由电阻温度系数为5500PPM/°C的纯镍箔制成，可作传感器灵敏度温度补偿; RCF由可实现温度自补偿的康铜箔制成，用作矫正补偿的非线性。

RNF series are made of pure nickel foil (TCR is 5500PPM/°C), they can be used for temperature compensation of sensitivity of load cell; RCF series are made of constantan foil, can be used to rectify the non-linearity.

引线焊接端子

LEADWIRE SOLDER TERMINALS

产品结构 Pattern	产品型号 Type	焊接端尺寸 Grid Dim LxW(mm)	基底尺寸 Carrier Dim LxW(mm)
	STF(H)1-1	3.0x1.0	5.0x2.7
	STF(H)1-2	3.0x1.2	5.0x3.0
	STF(H)1-3	5.0x2.0	6.0x6.0
	STF(H)2-1	6.8x1.0	9.0x4.0
	STF(H)3-2	3.0x1.2	5.0x5.6
	STF(H)3-3	5.0x2.0	6.0x9.0
	STF(H)5-3	6.0x1.5	8.0x10
	STF(H)5-1	5.0x1.4	5.0x4.4

STF为柔性自带胶，聚酰亚胺基底，铜箔制成；STH为硬性，玻璃纤维增强环氧基底，铜箔制成。

STF is soft with pastern, made of pure copper foil and polyimide base;

STH is hard, made of pure copper foil and glass fiber reinforced epoxy base.

应变胶粘剂

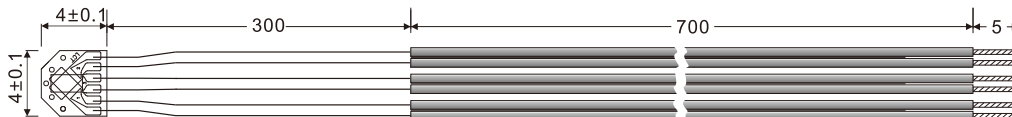
GLUE FOR STRAIN GAUGE

产品型号 Type	名称 Name	特点 Characteristic	用途 Application	固化条件 Curing	储存期 Storage
AL610	环氧酚醛	干燥快，粘度低，易于涂刷；具有蠕变小，滞后小，重复性、长期稳定性好，绝缘强度高特点。工作温度：-80°C ~ +150°C。	适用于高精度传感器及长期应力测试用的应变计和补偿电阻器的粘贴。	0.1-0.2MPa压力加压，140°C烘烤2小时；然后泄压，再升温到175°C烘烤2小时。	常温下单组分存放6个月，低温可储存更长时间。
	Epoxy-phenolic	Fast dry, low stickiness, easy to paint; light creep, and hysteresis, long term good stability and repeatability, high insulation Work temp:-80°C ~ +150°C.	Applied to bonding strain gages, which for high accuracy load cells and stress analysis. And compensation resistor.	0.1-0.2MPa,140°C 2hours. Second curing:175°C 2hours.	The room temperature single component may be stored for 6 months, and lower temperatures can be stored longer.
AL502	氰基丙烯酸酯	干燥快，粘接力强，使用方便，蠕变、滞后小。	适用于应变计短期使用的粘贴。	用手指压实后，室温下放置3小时。	常温可存放3个月。
	Cyanogen	Fast dry, strong viscosity, easy to use, light creep and hysteresis.	Applied to bonding strain gages for short-term use.	Nail press.3 hours under room temp.	3 months under normal temp.
AL130	室温硫化硅橡胶	具有防水、防潮、防霉变和电绝缘强度高等特点。工作温度:-30°C ~ +100°C。	适用于应变计的保护。	常温下放置24小时。	单组分可存放12个月。
	Silicon rubber	Waterproof, moistureproof, mildewproof and good insulation. Work temp: -30°C ~ +100°C.	Applied to protect strain gages.	24 hours under normal temp.	12 months for single suit.

应变计技术参数 GAUGES TECHNICAL PARAMETER

1、外形图 OUTLINE DRAWING

TYPE:CF120-1CB-C(11)P03M-V07M



2、技术参数 TECHNICAL PARAMETER

序号 No.	项目 Item	参数 Specification
1	应变计电阻值 Resistance	120±0.5Ω
2	灵敏系数 Gauge Factor	2.0-2.2
3	应用温度范围 Working Temp.Range(°C)	-30--80°C
4	应变极限 Strain Limit	0.02
5	绝缘阻抗 Insulation Resistance	>5000MΩ
6	疲劳寿命 Fatigue Life	>10 ⁷ (变形小于0.1%)
7	适用胶粘剂 Adhesive Selection	502胶或M-Bond 200 AL502,M-Bond 200
8	外形尺寸 Dimension	4×4mm

3、材料&构成 MATERIAL&CONSTRUCTION

序号 No.	零件 Component	材料 Material	规格 Size	数量 Quantity
1	基底 Carrier	酚醛树脂 Phenolic	35±5μm	3
2	防护层 Coating	酚醛树脂 Phenolic	15±5μm	1
3	敏感栅 Measuring Grid	康铜箔 Constantan Foil	5μm	3
4	引线 Leadwire	漆包线 Enameled Wire	∅0.15×300mm	6
5	延长线 Extension Wire	PVC排线 Parallel PVC Wire	28AWG/2P(7/0.127)×700mm	3

4、使用说明 OPERATION INSTRUCTIONS

该系列应变计，专为精密应力测试设计，因其外形小，为了得到准确的测试结果，以下事项必须注意：

1). 粘贴环境温度应低于25°C，湿度应低于60%RH。2). 粘贴前应将被测部件用约300#的砂纸沿45度交叉方向打毛，打毛部位面积要超过应变计外形尺寸，并用有机溶剂清洗掉粉尘，让溶剂快速挥发。3). 被测部位及应变计背面均涂胶，涂胶时应单方向均匀涂刷，且应避免胶流到应变计的正面。4). 应变计粘贴后按预定方向定位，并盖上一层清洁的F4膜，用拇指持续压住1分钟，卸压后去掉F4膜。5). 应变计粘贴好应在2小时后方可测试。6). 所有操作过程中引线及焊点间均不要有明显的应力，否则易造成焊点脱落或引线断裂，引线应有良好的固定。

The series strain gauge designed specially for high-precision stress analysis. As its micro structure, please note that as below to measure accurately:

1) The environment of strain gauge bonding, temperature & humidity must be less 25°C & 60%RH respectively;
 2) Use 300# sand paper to grind the gauging area, the grinding trace should be about 45 degree with the axis of strain gauge, and the trace should be vertically intersected. The grinding area must be larger than outline size of strain gauge. And clean the gauging area with organic solvent;
 3) Use a brush dip in bonding glue, uniformity and a certain direction form a thin coat on the back of strain gauge and gauging area, to avoid the bonding glue flow to the obverse of strain gauge;
 4) According to the marking line, bond the strain gauge on the bonding area. To cover the strain gauge with PTFE film, and press it with thumb for 1 min., pls take away PTFE film later;
 5) Testing must be in 2 hours after finish the strain gauge bonding;
 6) During the whole operation, to avoid the obvious stress on leadwire and solder terminal. Otherwise, leadwire or solder terminal should be break off. Please fixed the leadwire well.