

Characteristics 特性

项目 Item	测试方法 Test Method	规格 Specification
绝缘阻抗 Insulation Resistance	直流电压 500V DC 500V	大于或等于 100MΩ.m More than 100MΩ.m
相邻 PIN 耐压 Dielectric strength between conductors	交流电压 500V, 测试 1 分钟 AC 500V, duration 1minute	不击穿 No material breakdown
导通测试 Conduction Test	DC3.0V 0.1mA	无断路,无短路 No open and Short Circuit
电阻测试 Conductor Resistance Test	常湿常湿 Normal temperature and humidity	≤2260mΩ/M
镀层厚度测试 Coating thickness Test	室内环境, 测试时间为 30 秒 Indoor environment, test duration for 30seconds.	Ni ≥ 20 μ" Au ≥ 3 μ"
匹配性测试 Match Test	连续与连接器插拔 30 次 Continue to mate and unmate with the connectors for 30 cycles.	导体与薄膜无剥离 Conductor not peeling
180°折弯测试 180 degree folding test	折弯 > 20 次 Folding Morther 20times	绝缘层无破裂,无断路 No broken with insulation and no open circuit
耐磨测试 Abrasion Test	测试块尖角: R0.5mm 设定荷重: 600g 设定速度: 60cycles/min 设定回数: 10000cycle 0.5R 600g, 60 times/Min, More than 10,000 Times	绝缘层无破裂,无断路 No broken with insulation and no open circuit
柔性测试 Flexibility Test	折弯处半径 :φ10mm 设定速度 : 160cycles/min. 设定行程 : 30mm 设定回数 : 100000 回. R: 10mm, Speed: 160cycles/min. Displacement: 30mm, More than 100,000 Times	绝缘层无破裂,无断路 No broken with insulation and no open circuit
高温测试 Heat Resistance Test	105℃ 连续 96 小时 105℃ for 96hours	缩胶 ≤ 0.5mm Shrinking ≤ 0.5mm 线间绝缘阻抗 ≥ 100MΩ.m Insulation resistance ≥ 100MΩ.m 线间绝缘耐电压 AC500V/1min 不击穿 Dielectric strength test with AC500V/1min no brokendown
低温测试 Cold Resistance Test	-40℃ 连续 96 小时 -40℃ for 96hours	线间绝缘阻抗 ≥ 100MΩ.m Insulation resistance ≥ 100MΩ.m 线间绝缘耐电压 AC500V/1min 不击穿 Dielectric strength test with AC500V/1min no brokendown
耐湿测试 Humidity Resistance Test	40℃, 95% RH 连续 96 小时 40℃, 95% RH, 96H	线间绝缘阻抗 ≥ 100MΩ.m Insulation resistance ≥ 100MΩ.m 线间绝缘耐电压 AC500V/1min 不击穿 Dielectric strength test with AC500V/1min no brokendown
温度循环测试 Temperature Cycle Test	[-40℃*(4H)→25℃*(1H)→105℃*(4H)→25℃*(1H)] × 5 cycles	线间绝缘阻抗 ≥ 100MΩ.m Insulation resistance ≥ 100MΩ.m 线间绝缘耐电压 AC500V/1min 不击穿 Dielectric strength test with AC500V/1min no brokendown
盐水喷雾试验 Salt Water Spray Test	试验温度: 35℃ 试验浓度: 5% 试验时间: 48H 盐水 PH 值 6.5-7.2 样品放置角度 15°-30° Temperature: 35℃ Salt concentration: 5% Duration: 48H Salt PH value: 6.5-7.2 Sample located angle: 15°-30°	表面无露铜 No bare conductor
导体与薄膜之间粘着力 Adhesive force of Conductor	常湿常湿 Normal temperature and humidity	参阅附表 (WIQA08)
补强板与薄膜之间粘着力 Adhesive force of supporting tape	常湿常湿 Normal temperature and humidity	参阅附表 (WIQA08)