

H1170Z 规格书(Line-up)

基板 CCL: H1170Z

半固化片 PP: H1170PZ

1、Only E-Glass Type CCL: H1170Z

| Core Thickness | | Standard Construction | RC(%) | Dk | | | | Df | | | |
|----------------|-------|-----------------------|-------|------|------|------|-------|--------|--------|--------|--------|
| mil | mm | | | 1GHz | 2GHz | 5GHz | 10GHz | 1GHz | 2GHz | 5GHz | 10GHz |
| 2.0 | 0.050 | 106X1 | 72 | 3.88 | 3.76 | 3.59 | 3.53 | 0.0156 | 0.0159 | 0.0167 | 0.0181 |
| 2.5 | 0.064 | 1080X1 | 59 | 4.22 | 4.10 | 3.95 | 3.89 | 0.0150 | 0.0154 | 0.0161 | 0.0173 |
| 3.0 | 0.076 | 1080X1 | 65 | 4.07 | 3.94 | 3.78 | 3.72 | 0.0153 | 0.0156 | 0.0164 | 0.0177 |
| 3.5 | 0.089 | 2113X1 | 53 | 4.38 | 4.25 | 4.11 | 4.05 | 0.0147 | 0.0151 | 0.0158 | 0.0170 |
| 4.0 | 0.100 | 2113X1 | 58 | 4.25 | 4.12 | 3.98 | 3.92 | 0.0149 | 0.0153 | 0.0160 | 0.0173 |
| 4.3 | 0.110 | 2116X1 | 49 | 4.49 | 4.36 | 4.22 | 4.16 | 0.0145 | 0.0150 | 0.0156 | 0.0167 |
| 4.5 | 0.114 | 2116X1 | 51 | 4.44 | 4.30 | 4.17 | 4.11 | 0.0146 | 0.0150 | 0.0157 | 0.0169 |
| 5.1 | 0.13 | 2116X1 | 55 | 4.33 | 4.20 | 4.06 | 4.00 | 0.0148 | 0.0152 | 0.0159 | 0.0171 |
| 5.9 | 0.15 | 1506X1 | 45 | 4.60 | 4.46 | 4.34 | 4.27 | 0.0143 | 0.0148 | 0.0154 | 0.0165 |
| 7.2 | 0.18 | 7628X1 | 43 | 4.65 | 4.51 | 4.39 | 4.33 | 0.0142 | 0.0147 | 0.0153 | 0.0164 |
| 8.0 | 0.20 | 7628X1 | 47 | 4.54 | 4.41 | 4.28 | 4.22 | 0.0144 | 0.0149 | 0.0155 | 0.0166 |
| 9.0 | 0.23 | 2116X2 | 51 | 4.44 | 4.30 | 4.17 | 4.11 | 0.0146 | 0.0150 | 0.0157 | 0.0169 |
| 10.0 | 0.25 | 2116X2 | 55 | 4.33 | 4.20 | 4.06 | 4.00 | 0.0148 | 0.0152 | 0.0159 | 0.0171 |
| 12.0 | 0.30 | 1506X2 | 45 | 4.60 | 4.46 | 4.34 | 4.27 | 0.0143 | 0.0148 | 0.0154 | 0.0165 |
| 14.0 | 0.35 | 7628X2 | 43 | 4.65 | 4.51 | 4.39 | 4.33 | 0.0142 | 0.0147 | 0.0153 | 0.0164 |
| 15.0 | 0.38 | 7628X2 | 44 | 4.62 | 4.48 | 4.36 | 4.30 | 0.0142 | 0.0148 | 0.0153 | 0.0164 |
| 16.0 | 0.41 | 7628X2 | 47 | 4.54 | 4.41 | 4.28 | 4.22 | 0.0144 | 0.0149 | 0.0155 | 0.0166 |
| 18.0 | 0.46 | 7628X2+2116X1 | 43 | 4.65 | 4.51 | 4.39 | 4.33 | 0.0142 | 0.0147 | 0.0153 | 0.0164 |
| 20.0 | 0.51 | 7628X2+2116X1 | 45.6 | 4.58 | 4.44 | 4.32 | 4.26 | 0.0143 | 0.0148 | 0.0154 | 0.0165 |
| | | 7628X3 | 40 | 4.73 | 4.58 | 4.47 | 4.41 | 0.0140 | 0.0146 | 0.0151 | 0.0162 |
| 21.0 | 0.53 | 7628X3 | 43 | 4.65 | 4.51 | 4.39 | 4.33 | 0.0142 | 0.0147 | 0.0153 | 0.0164 |
| 24.0 | 0.61 | 7628X3 | 45 | 4.60 | 4.46 | 4.34 | 4.27 | 0.0143 | 0.0148 | 0.0154 | 0.0165 |
| 26.0 | 0.66 | 7628X2+1506X2 | 44 | 4.62 | 4.48 | 4.36 | 4.30 | 0.0142 | 0.0148 | 0.0153 | 0.0164 |
| 28.0 | 0.71 | 7628X4 | 43 | 4.65 | 4.51 | 4.39 | 4.33 | 0.0142 | 0.0147 | 0.0153 | 0.0164 |
| 32.0 | 0.80 | 7628X4+2116X1 | 44 | 4.62 | 4.48 | 4.36 | 4.30 | 0.0142 | 0.0148 | 0.0153 | 0.0164 |
| 34.0 | 0.87 | 7628X5 | 42 | 4.67 | 4.53 | 4.42 | 4.36 | 0.0141 | 0.0147 | 0.0152 | 0.0163 |
| 40.0 | 1.00 | 7628X6 | 41 | 4.70 | 4.56 | 4.45 | 4.38 | 0.0141 | 0.0146 | 0.0152 | 0.0163 |
| 43.0 | 1.10 | 7628X6 | 43 | 4.65 | 4.51 | 4.39 | 4.33 | 0.0142 | 0.0147 | 0.0153 | 0.0164 |
| 47.0 | 1.20 | 7628X7 | 41 | 4.70 | 4.56 | 4.45 | 4.38 | 0.0141 | 0.0146 | 0.0152 | 0.0163 |
| 49.0 | 1.25 | 7628X7 | 42 | 4.67 | 4.53 | 4.42 | 4.36 | 0.0141 | 0.0147 | 0.0152 | 0.0163 |
| 51.0 | 1.30 | 7628X7 | 43.5 | 4.63 | 4.50 | 4.38 | 4.32 | 0.0142 | 0.0147 | 0.0153 | 0.0164 |
| 53.0 | 1.35 | 7628X7 | 45.5 | 4.58 | 4.44 | 4.32 | 4.26 | 0.0143 | 0.0148 | 0.0154 | 0.0165 |
| 55.0 | 1.40 | 7628X8 | 41 | 4.70 | 4.56 | 4.45 | 4.38 | 0.0141 | 0.0146 | 0.0152 | 0.0163 |
| 57.0 | 1.45 | 7628X8 | 42.5 | 4.66 | 4.52 | 4.31 | 4.34 | 0.0141 | 0.0147 | 0.0152 | 0.0164 |
| 59.0 | 1.50 | 7628X8 | 44 | 4.62 | 4.48 | 4.36 | 4.30 | 0.0142 | 0.0148 | 0.0153 | 0.0164 |
| 61.0 | 1.55 | 7628X8 | 45.5 | 4.58 | 4.44 | 4.32 | 4.26 | 0.0143 | 0.0148 | 0.0154 | 0.0165 |
| 63.0 | 1.60 | 7628X9 | 41.5 | 4.69 | 4.55 | 4.43 | 4.37 | 0.0141 | 0.0147 | 0.0152 | 0.0163 |
| 65.0 | 1.65 | 7628X9 | 43 | 4.65 | 4.51 | 4.39 | 4.33 | 0.0142 | 0.0147 | 0.0153 | 0.0164 |

2、Only E-Glass Type PP: H1170PZ

| GLASS Type | RC | Pressed Thickness | | Dk | | | | Df | | | |
|---------------|----|-------------------|-------|------|------|------|-------|--------|--------|--------|--------|
| | % | mil | mm | 1GHz | 2GHz | 5GHz | 10GHz | 1GHz | 2GHz | 5GHz | 10GHz |
| 106 | 73 | 2.1 | 0.052 | 3.85 | 3.74 | 3.56 | 3.50 | 0.0157 | 0.0159 | 0.0168 | 0.0182 |
| | 75 | 2.2 | 0.056 | 3.80 | 3.69 | 3.51 | 3.45 | 0.0158 | 0.0160 | 0.0169 | 0.0183 |
| 1080 | 68 | 3.4 | 0.085 | 3.99 | 3.87 | 3.70 | 3.64 | 0.0154 | 0.0157 | 0.0165 | 0.0179 |
| | 65 | 3.0 | 0.077 | 4.07 | 3.94 | 3.78 | 3.72 | 0.0153 | 0.0156 | 0.0164 | 0.0177 |
| | 63 | 2.8 | 0.072 | 4.12 | 4.00 | 3.84 | 3.78 | 0.0152 | 0.0155 | 0.0163 | 0.0176 |
| 2113 | 60 | 4.2 | 0.107 | 4.20 | 4.07 | 3.92 | 3.86 | 0.0150 | 0.0154 | 0.0161 | 0.0174 |
| | 58 | 4.0 | 0.101 | 4.25 | 4.12 | 3.98 | 3.92 | 0.0149 | 0.0153 | 0.0160 | 0.0173 |
| | 56 | 3.7 | 0.095 | 4.30 | 4.18 | 4.03 | 3.97 | 0.0148 | 0.0152 | 0.0159 | 0.0172 |
| 2116 | 60 | 5.7 | 0.144 | 4.20 | 4.07 | 3.92 | 3.86 | 0.0150 | 0.0154 | 0.0161 | 0.0174 |
| | 58 | 5.4 | 0.136 | 4.25 | 4.12 | 3.98 | 3.92 | 0.0149 | 0.0153 | 0.0160 | 0.0173 |
| | 55 | 4.9 | 0.124 | 4.33 | 4.20 | 4.06 | 4.00 | 0.0148 | 0.0152 | 0.0159 | 0.0171 |
| | 53 | 4.7 | 0.118 | 4.38 | 4.25 | 4.11 | 4.05 | 0.0147 | 0.0151 | 0.0158 | 0.0170 |
| 1506 | 50 | 6.8 | 0.172 | 4.46 | 4.33 | 4.20 | 4.14 | 0.0145 | 0.015 | 0.0156 | 0.0168 |
| | 48 | 6.5 | 0.164 | 4.52 | 4.38 | 4.25 | 4.19 | 0.0144 | 0.0149 | 0.0155 | 0.0167 |
| 7628 | 52 | 9.1 | 0.231 | 4.41 | 4.28 | 4.14 | 4.08 | 0.0146 | 0.0151 | 0.0157 | 0.0169 |
| | 50 | 8.6 | 0.219 | 4.46 | 4.33 | 4.20 | 4.14 | 0.0145 | 0.0150 | 0.0156 | 0.0168 |
| | 48 | 8.2 | 0.209 | 4.52 | 4.38 | 4.25 | 4.19 | 0.0144 | 0.0149 | 0.0155 | 0.0167 |
| | 45 | 7.6 | 0.194 | 4.60 | 4.46 | 4.34 | 4.27 | 0.0143 | 0.0148 | 0.0154 | 0.0165 |
| | 43 | 7.3 | 0.185 | 4.65 | 4.51 | 4.39 | 4.33 | 0.0142 | 0.0147 | 0.0153 | 0.0164 |

Remark: 1. The above data is for your reference only.

2. Please contact WAZAM sale and TS team if need more Laminates type.