# ADB Technology Co., Ltd.

## Shielded Construction - SMD/ QPIG Series

### *Feature*

RoHS compliant

Highly accurate dimensions

Terminals are highly resistant to external forces

Highly reliable in environments of sudden temperature change and humidity

Superior EMI characteristics with ultra low radiation comparing to conventional shielded power inductors

### *Application*

LCD TV

Monitor

Ap router

STB and smart phone

Touch panel

DSC

Game console and other electronic devices

### *Product Identification*

| **QPIG** | **2510L** - | **XXX** | **X** |
|---|---|---|---|
| **A** | **B** | **C** | **D** |

A: Series Name.

B: Dimension.

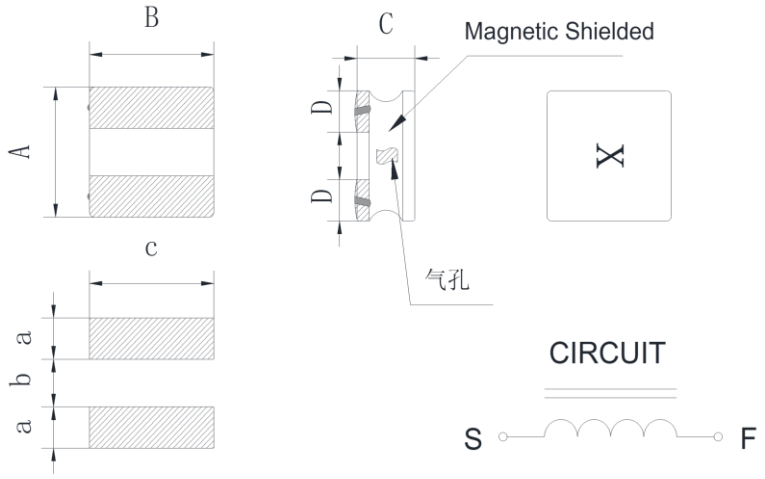
C: Inductance. (X uH )

D: Inductance Tolerance. (X=K or M or N: N=30%,M=20%,K=10%)

# ADB Technology Co., Ltd.

## Shielded Construction - SMD/ QPIG Series

### *Configurations & Dimensions*




| Series Name | A | B | C | D | a | b | c |
|---|---|---|---|---|---|---|---|
| QPIG 2510L | 2.5±0.2 | 2.0±0.2 | 1.02max | 0.8ref | 0.8ref | 0.8ref | 2.0ref |
| QPIG 2512L | 2.5±0.2 | 2.0±0.2 | 1.2max | 0.8ref | 0.8ref | 0.8ref | 2.0ref |
| QPIG 3010L | 3.0±0.2 | 3.0±0.2 | 1.1max | 1.0ref | 0.8ref | 1.4ref | 3.0ref |
| QPIG 3012L | 3.0±0.2 | 3.0±0.2 | 1.3max | 1.0ref | 0.8ref | 1.4ref | 3.0ref |
| QPIG 3015L | 3.0±0.2 | 3.0±0.2 | 1.5max | 1.0ref | 0.8ref | 1.4ref | 3.0ref |
| QPIG 4018L | 4.0±0.2 | 4.0±0.2 | 2.0max | 1.1ref | 1.2ref | 1.6ref | 3.7ref |
| QPIG 5020L | 5.0±0.2 | 5.0±0.2 | 2.1max | 1.4ref | 1.4ref | 2.4ref | 4.7ref |
| QPIG 5040L | 5.0±0.2 | 5.0±0.2 | 4.1max | 1.4ref | 1.4ref | 2.4ref | 4.7ref |
| QPIG 6010L | 6.0±0.2 | 6.0±0.2 | 1.1max | 1.7ref | 1.6ref | 3.1ref | 5.7ref |
| QPIG 6012L | 6.0±0.2 | 6.0±0.2 | 1.3max | 1.7ref | 1.6ref | 3.1ref | 5.7ref |
| QPIG 6020L | 6.0±0.2 | 6.0±0.2 | 2.1max | 1.7ref | 1.6ref | 3.1ref | 5.7ref |
| QPIG 6028L | 6.0±0.2 | 6.0±0.2 | 2.9max | 1.7ref | 1.6ref | 3.1ref | 5.7ref |
| QPIG 6045L | 6.0±0.2 | 6.0±0.2 | 4.6max | 1.7ref | 1.6ref | 3.1ref | 5.7ref |
| QPIG 8040L | 8.0±0.2 | 8.0±0.2 | 4.1max | 2.0ref | 1.8ref | 3.8ref | 7.7ref |

Unit: mm

# ADB Technology Co., Ltd.

## Shielded Construction - SMD/ QPIG Series

### *Electrical Characteristics QPIG2510L~QPIG3010L*

| | Inductance L0 | DCR | I-sat | I-rms |
|---|---|---|---|---|
| Part Number | 1MHz/200mV | @ 25℃, Max. | ≧75%L0 | △T≦40℃ |
| QPIG2510L-1R0M | 1.0uH±20% | 120.9 mΩ | 2.2 Amps | 2.2 Amps |
| QPIG2510L-1R5M | 1.5uH±20% | 192.4 mΩ | 1.9 Amps | 1.8 Amps |
| QPIG2510L-2R2M | 2.2uH±20% | 231.4 mΩ | 1.6 Amps | 1.7 Amps |
| QPIG2510L-3R3M | 3.3uH±20% | 371.8 mΩ | 1.2 Amps | 1.3 Amps |
| QPIG2510L-4R7M | 4.7uH±20% | 547.3 mΩ | 1.0 Amps | 1.0 Amps |
| QPIG2510L-5R6M | 5.6uH±20% | 625.3 mΩ | 0.9 Amps | 0.9 Amps |
| QPIG2510L-6R8M | 6.8uH±20% | 777.4 mΩ | 0.9 Amps | 0.9 Amps |
| QPIG2510L-100M | 10.0uH±20% | 1036.1 mΩ | 0.7 Amps | 0.8 Amps |
| QPIG2510L-220M | 22.0uH±20% | 2390.7 mΩ | 0.5 Amps | 0.5 Amps |
| QPIG2512L-1R0M | 1.0uH±20% | 136.5 mΩ | 2.80 Amps | 2.20 Amps |
| QPIG2512L-1R5M | 1.5uH±20% | 198.9 mΩ | 2.20 Amps | 1.86 Amps |
| QPIG2512L-2R2M | 2.2uH±20% | 284.7 mΩ | 1.80 Amps | 1.70 Amps |
| QPIG2512L-3R3M | 3.3uH±20% | 453.7 mΩ | 1.30 Amps | 1.20 Amps |
| QPIG2512L-4R7M | 4.7uH±20% | 659.1 mΩ | 1.10 Amps | 1.04 Amps |
| QPIG2512L-5R6M | 5.6uH±20% | 685.1 mΩ | 1.10 Amps | 1.00 Amps |
| QPIG2512L-6R8M | 6.8uH±20% | 988.0 mΩ | 0.94 Amps | 0.94 Amps |
| QPIG2512L-100M | 10.0uH±20% | 1189.5 mΩ | 0.82 Amps | 0.84 Amps |
| QPIG2512L-220M | 22.0uH±20% | 2743.0 mΩ | 0.55 Amps | 0.54 Amps |
| QPIG3010L-1R0M | 1.0uH±20% | 100.0 mΩ | 1.70 Amps | 1.30 Amps |
| QPIG3010L-1R2M | 1.2uH±20% | 120.0 mΩ | 1.70 Amps | 1.48 Amps |
| QPIG3010L-1R5M | 1.5uH±20% | 135.0 mΩ | 1.60 Amps | 1.40 Amps |
| QPIG3010L-2R2M | 1.5uH±20% | 160.0 mΩ | 1.30 Amps | 1.30 Amps |
| QPIG3010L-3R3M | 3.3uH±20% | 165.1 mΩ | 0.780 Amps | 1.60 Amps |
| QPIG3010L-4R7M | 4.7uH±20% | 241.8 mΩ | 0.650 Amps | 1.30 Amps |
| QPIG3010L-6R8M | 6.8uH±20% | 328.9 mΩ | 0.560 Amps | 1.00 Amps |
| QPIG3010L-100M | 10.0uH±20% | 458.9 mΩ | 0.430 Amps | 0.88 Amps |
| QPIG3010L-220M | 22.0uH±20% | 900.9 mΩ | 0.310 Amps | 0.58 Amps |
| QPIG3010L-221M | 220.0uH±20% | 8450.0 mΩ | 0.082 Amps | 0.18 Amps |

# ADB Technology Co., Ltd.

Shielded Construction - SMD/ QPIG Series

***Electrical Characteristics QPIG3015L~QPIG4018L***

| | Inductance L0 | DCR | I-sat | I-rms |
|---|---|---|---|---|
| Part Number | 1MHz/200mV | @ 25℃, Max. | ≧75%L0 | △T≦40℃ |
| QPIG3015L-1R0M | 1.0uH±20% | 72.8 mΩ | 2.00 Amps | 2.80 Amps |
| QPIG3015L-1R5M | 1.5uH±20% | 96.2 mΩ | 1.60 Amps | 2.40 Amps |
| QPIG3015L-2R2M | 2.2uH±20% | 102.7 mΩ | 1.20 Amps | 2.30 Amps |
| QPIG3015L-3R3M | 3.3uH±20% | 136.5 mΩ | 1.00 Amps | 1.90 Amps |
| QPIG3015L-4R7M | 4.7uH±20% | 169.0 mΩ | 0.90 Amps | 1.60 Amps |
| QPIG3015L-6R8M | 6.8uH±20% | 214.5 mΩ | 0.73 Amps | 1.30 Amps |
| QPIG3015L-100M | 10.0uH±20% | 267.8 mΩ | 0.60 Amps | 1.00 Amps |
| QPIG3015L-220M | 22.0uH±20% | 651.3 mΩ | 0.42 Amps | 0.65 Amps |
| QPIG3015L-330M | 33.0uH±20% | 780.0 mΩ | 0.33 Amps | 0.60 Amps |
| QPIG3015L-470M | 47.0uH±20% | 1500.0 mΩ | 0.32 Amps | 0.32 Amps |

| Part Number | Inductance (μH) ± 20% | Test Condition (Hz / Volt) | DCR @25°C (mΩ) Max | Saturation Current (Amp) Max. | Temperature Rise Current (Amp) Max. |
|---|---|---|---|---|---|
| QPIG4018L-1R0M | 1.0± 20% | 100kHz/1V | 38.4 | 4.10 | 2.80 |
| QPIG4018L-1R5M | 1.5± 20% | 100kHz/1V | 48.0 | 3.30 | 2.60 |
| QPIG4018L-2R2M | 2.2± 20% | 100kHz/1V | 72.0 | 2.80 | 2.50 |
| QPIG4018L-2R3M | 2.3± 20% | 100kHz/1V | 72.0 | 2.80 | 2.50 |
| QPIG4018L-3R3M | 3.3± 20% | 100kHz/1V | 84.0 | 2.20 | 2.10 |
| QPIG4018L-3R6M | 3.6± 20% | 100kHz/1V | 90.0 | 2.10 | 1.90 |
| QPIG4018L-3R9M | 3.9± 20% | 100kHz/1V | 90.0 | 2.10 | 1.90 |
| QPIG4018L-4R7M | 4.7±20% | 100kHz/1V | 108.0 | 2.00 | 1.70 |
| QPIG4018L-6R8M | 6.8±20% | 100kHz/1V | 132.0 | 1.60 | 1.50 |
| QPIG4018L-100M | 10±20% | 100kHz/1V | 204.0 | 1.40 | 1.20 |
| QPIG4018L-150M | 15±20% | 100kHz/1V | 300.0 | 1.00 | 1.10 |
| QPIG4018L-220M | 22±20% | 100kHz/1V | 420.0 | 0.90 | 0.85 |
| QPIG4018L-330M | 33±20% | 100kHz/1V | 636.0 | 0.80 | 0.70 |
| QPIG4018L-470M | 47±20% | 100kHz/1V | 864.0 | 0.70 | 0.56 |
| QPIG4018L-680M | 68±20% | 100kHz/1V | 1200.0 | 0.56 | 0.45 |
| QPIG4018L-101M | 100±20% | 100kHz/1V | 1800.0 | 0.46 | 0.38 |
| QPIG4018L-151M | 150±20% | 100kHz/1V | 3000.0 | 0.35 | 0.30 |
| QPIG4018L-221M | 220±20% | 100kHz/1V | 4800.0 | 0.28 | 0.23 |

# ADB Technology Co., Ltd.

## Shielded Construction - SMD/ QPIG Series

### *Electrical Characteristics QPIG5020L*

| Part Number | Inductance (µH) | Test Condition (Hz / Volt) | DCR @25°C (mΩ) Max | Saturation Current (Amp) Max. | Temperature Rise Current (Amp) Max. |
|---|---|---|---|---|---|
| QPIG5020L-1R0N | 1.0± 30% | 100K / 1.0V | 25 | 4.00 | 3.60 |
| QPIG5020L-1R5N | 1.5± 30% | 100K / 1.0V | 31 | 3.35 | 3.20 |
| QPIG5020L-2R2N | 2.2± 30% | 100K / 1.0V | 42 | 2.90 | 2.90 |
| QPIG5020L-3R3N | 3.3± 30% | 100K / 1.0V | 58 | 2.40 | 2.40 |
| QPIG5020L-4R7M | 4.7±20% | 100K / 1.0V | 72 | 2.00 | 2.00 |
| QPIG5020L-6R8M | 6.8± 20% | 100K / 1.0V | 108 | 1.60 | 1.65 |
| QPIG5020L-100M | 10± 20% | 100K / 1.0V | 144 | 1.30 | 1.45 |
| QPIG5020L-150M | 15± 20% | 100K / 1.0V | 198 | 1.10 | 1.20 |
| QPIG5020L-220M | 22± 20% | 100K / 1.0V | 312 | 0.90 | 1.00 |

### *Electrical Characteristics QPIG5040L*

| Part Number | Inductance (µH) | Test Condition (Hz / Volt) | DCR @25°C (mΩ) Max | Saturation Current (Amp) Max. | Temperature Rise Current (Amp) Max. |
|---|---|---|---|---|---|
| QPIG5040L-1R0N | 1.0± 30% | 100K / 1.0V | 20 | 6.50 | 4.50 |
| QPIG5040L-1R2N | 1.2± 30% | 100K / 1.0V | 20 | 6.50 | 4.50 |
| QPIG5040L-1R5N | 1.5± 30% | 100K / 1.0V | 24 | 5.60 | 4.20 |
| QPIG5040L-2R2N | 2.2± 30% | 100K / 1.0V | 33 | 4.20 | 3.50 |
| QPIG5040L-3R3N | 3.3± 30% | 100K / 1.0V | 38 | 3.50 | 3.20 |
| QPIG5040L-4R7M | 4.7±20% | 100K / 1.0V | 50 | 3.30 | 3.10 |
| QPIG5040L-6R8M | 6.8± 20% | 100K / 1.0V | 68 | 2.60 | 2.30 |
| QPIG5040L-100M | 10± 20% | 100K / 1.0V | 86 | 2.20 | 2.00 |
| QPIG5040L-150M | 15± 20% | 100K / 1.0V | 112 | 2.00 | 1.80 |
| QPIG5040L-220M | 22± 20% | 100K / 1.0V | 168 | 1.60 | 1.40 |
| QPIG5040L-270M | 27± 20% | 100K / 1.0V | 234 | 1.40 | 1.20 |
| QPIG5040L-330M | 33± 20% | 100K / 1.0V | 247 | 1.30 | 1.10 |
| QPIG5040L-470M | 47± 20% | 100K / 1.0V | 403 | 1.10 | 0.9 |

# ADB Technology Co., Ltd.

## Shielded Construction - SMD/ QPIG Series

### *Electrical Characteristics QPIG6010L*

| Part Number | Inductance (μH) ± 20% | Test Condition (Hz / Volt) | DCR @25°C (mΩ) Max | Saturation Current (Amp) Max. | Temperature Rise Current (Amp) Max. |
|---|---|---|---|---|---|
| QPIG6010L-1R5N | 1.5± 30% | 100K / 1.0V | 100 | 2.40 | 2.00 |
| QPIG6010L-2R2N | 2.2± 30% | 100K / 1.0V | 155 | 2.20 | 1.90 |
| QPIG6010L-3R3N | 3.3± 30% | 100K / 1.0V | 205 | 1.90 | 1.60 |
| QPIG6010L-4R7M | 4.7±20% | 100K / 1.0V | 277 | 1.65 | 1.50 |
| QPIG6010L-6R8M | 6.8± 20% | 100K / 1.0V | 450 | 1.60 | 1.22 |
| QPIG6010L-100M | 10± 20% | 100K / 1.0V | 390 | 1.20 | 1.20 |
| QPIG6010L-220M | 22± 20% | 100K / 1.0V | 670 | 0.65 | 0.70 |

### *Electrical Characteristics QPIG6012L*

| Part Number | Inductance (μH) ± 20% | Test Condition (Hz / Volt) | DCR @25°C (mΩ) Max | Saturation Current (Amp) Max. | Temperature Rise Current (Amp) Max. |
|---|---|---|---|---|---|
| QPIG6012L-2R2N | 2.2± 30% | 100K / 1.0V | 120 | 2.60 | 2.10 |
| QPIG6012L-3R3N | 3.3± 30% | 100K / 1.0V | 175 | 2.15 | 1.70 |
| QPIG6012L-4R7M | 4.7±20% | 100K / 1.0V | 220 | 1.85 | 1.50 |
| QPIG6012L-6R8M | 6.8± 20% | 100K / 1.0V | 280 | 1.60 | 1.20 |
| QPIG6012L-100M | 10± 20% | 100K / 1.0V | 430 | 1.40 | 1.00 |
| QPIG6012L-150M | 15± 20% | 100K / 1.0V | 659 | 1.00 | 0.65 |
| QPIG6012L-220M | 22± 20% | 100K / 1.0V | 860 | 0.80 | 0.60 |
| QPIG6012L-330M | 33± 20% | 100K / 1.0V | 1082 | 0.60 | 0.50 |
| QPIG6012L-470M | 47± 20% | 100K / 1.0V | 1650 | 0.50 | 0.40 |

# ADB Technology Co., Ltd.

## Shielded Construction - SMD/ QPIG Series

### *Electrical Characteristics QPIG6020L*

| Part Number | Inductance (μH) ± 20% | Test Condition (Hz / Volt) | DCR @25°C (mΩ) Max | Saturation Current (Amp) Max. | Temperature Rise Current (Amp) Max. |
|---|---|---|---|---|---|
| QPIG6020L-1R5N | 1.5± 30% | 100K / 1.0V | 48 | 4.50 | 3.20 |
| QPIG6020L-2R2N | 2.2± 30% | 100K / 1.0V | 55 | 4.00 | 2.90 |
| QPIG6020L-3R3N | 3.3± 30% | 100K / 1.0V | 75 | 3.20 | 2.50 |
| QPIG6020L-4R7M | 4.7±20% | 100K / 1.0V | 90 | 2.80 | 2.40 |
| QPIG6020L-6R8M | 6.8± 20% | 100K / 1.0V | 115 | 2.40 | 2.10 |
| QPIG6020L-100M | 10± 20% | 100K / 1.0V | 175 | 1.90 | 1.60 |
| QPIG6020L-220M | 22± 20% | 100K / 1.0V | 348 | 1.20 | 1.00 |

### *Electrical Characteristics QPIG6028L*

| Part Number | Inductance (μH) ± 20% | Test Condition (Hz / Volt) | DCR @25°C (mΩ) Max | Saturation Current (Amp) Max. | Temperature Rise Current (Amp) Max. |
|---|---|---|---|---|---|
| QPIG6028L-1R5N | 1.5± 30% | 100K / 1.0V | 26 | 4.80 | 4.30 |
| QPIG6028L-2R2N | 2.2± 30% | 100K / 1.0V | 33 | 4.00 | 3.70 |
| QPIG6028L-3R0N | 3.0± 30% | 100K / 1.0V | 37 | 3.50 | 3.30 |
| QPIG6028L-4R7M | 4.7±20% | 100K / 1.0V | 52 | 2.70 | 2.70 |
| QPIG6028L-100M | 10± 20% | 100K / 1.0V | 91 | 1.90 | 1.90 |
| QPIG6028L-150M | 15± 20% | 100K / 1.0V | 124 | 1.60 | 1.60 |
| QPIG6028L-220M | 22± 20% | 100K / 1.0V | 195 | 1.30 | 1.30 |
| QPIG6028L-330M | 33± 20% | 100K / 1.0V | 372 | 1.10 | 1.10 |
| QPIG6028L-470M | 47± 20% | 100K / 1.0V | 429 | 0.95 | 0.95 |
| QPIG6028L-680M | 68± 20% | 100K / 1.0V | 546 | 0.70 | 0.70 |
| QPIG6028L-101M | 100± 20% | 100K / 1.0V | 780 | 0.65 | 0.60 |

# ADB Technology Co., Ltd.

## Shielded Construction - SMD/ QPIG Series

***Electrical Characteristics QPIG6045L***

| Part Number | Inductance (µH) ± 20% | Test Condition (Hz / Volt) | DCR @25°C (mΩ) Max | Saturation Current (Amp) Max. | Temperature Rise Current (Amp) Max. |
|---|---|---|---|---|---|
| QPIG6045L-1R0N | 1.0± 30% | 100K / 1.0V | 25 | 7.50 | 4.20 |
| QPIG6045L-1R8N | 1.8± 30% | 100K / 1.0V | 25 | 6.80 | 3.80 |
| QPIG6045L-2R2N | 2.2± 30% | 100K / 1.0V | 30 | 6.00 | 3.50 |
| QPIG6045L-3R3N | 3.3± 30% | 100K / 1.0V | 41 | 5.00 | 3.20 |
| QPIG6045L-4R7M | 4.7±20% | 100K / 1.0V | 47 | 4.00 | 3.00 |
| QPIG6045L-6R8M | 6.8±20% | 100K / 1.0V | 56 | 3.60 | 2.80 |
| QPIG6045L-100M | 10± 20% | 100K / 1.0V | 89 | 3.00 | 2.50 |
| QPIG6045L-150M | 15± 20% | 100K / 1.0V | 116 | 2.30 | 1.90 |
| QPIG6045L-220M | 22± 20% | 100K / 1.0V | 167 | 1.90 | 1.50 |
| QPIG6045L-330M | 33± 20% | 100K / 1.0V | 245 | 1.50 | 1.40 |
| QPIG6045L-470M | 47± 20% | 100K / 1.0V | 245 | 1.70 | 1.20 |
| QPIG6045L-680M | 68± 20% | 100K / 1.0V | 330 | 1.50 | 1.00 |
| QPIG6045L-101M | 100± 20% | 100K / 1.0V | 500 | 1.20 | 0.80 |

# ADB Technology Co., Ltd.

## Shielded Construction - SMD/ QPIG Series

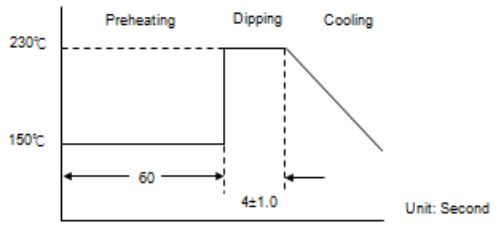
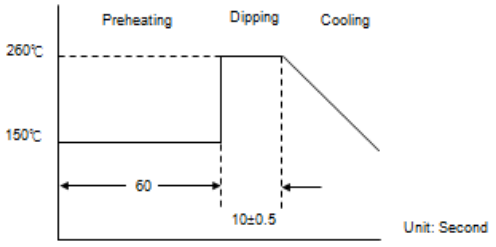
### *Electrical Characteristics QPIG8040L*

| Part Number | Inductance (μH) ± 20% | Test Condition (Hz / Volt) | DCR @25°C (mΩ) Max | Saturation Current (Amp) Max. | Temperature Rise Current (Amp) Max. |
|---|---|---|---|---|---|
| QPIG8040L-0R9N | 0.9± 30% | 100K / 1.0V | 11 | 11.00 | 7.80 |
| QPIG8040L-1R5N | 1.8± 30% | 100K / 1.0V | 13 | 10.00 | 7.00 |
| QPIG8040L-2R2N | 2.2± 30% | 100K / 1.0V | 15 | 8.90 | 6.30 |
| QPIG8040L-3R3N | 3.3± 30% | 100K / 1.0V | 22 | 6.50 | 4.40 |
| QPIG8040L-3R6N | 3.3± 30% | 100K / 1.0V | 26 | 5.80 | 4.90 |
| QPIG8040L-4R7M | 4.7±20% | 100K / 1.0V | 34 | 5.55 | 4.10 |
| QPIG8040L-6R8M | 6.8±20% | 100K / 1.0V | 43 | 4.50 | 3.70 |
| QPIG8040L-100M | 10± 20% | 100K / 1.0V | 58 | 4.00 | 3.00 |
| QPIG8040L-150M | 15± 20% | 100K / 1.0V | 78 | 3.00 | 2.60 |
| QPIG8040L-220M | 22± 20% | 100K / 1.0V | 112 | 2.60 | 2.20 |
| QPIG8040L-330M | 33± 20% | 100K / 1.0V | 143 | 2.20 | 1.90 |
| QPIG8040L-470M | 47± 20% | 100K / 1.0V | 221 | 1.70 | 1.50 |
| QPIG8040L-680M | 68± 20% | 100K / 1.0V | 312 | 1.50 | 1.20 |
| QPIG8040L-101M | 100± 20% | 100K / 1.0V | 455 | 1.20 | 1.00 |
| QPIG8040L-121M | 120± 20% | 100K / 1.0V | 565 | 1.00 | 0.90 |
| QPIG8040L-151M | 150± 20% | 100K / 1.0V | 739 | 0.90 | 0.80 |
| QPIG8040L-221M | 220± 20% | 100K / 1.0V | 988 | 0.70 | 0.70 |
| QPIG8040L-331M | 330± 20% | 100K / 1.0V | 1560 | 0.64 | 0.64 |

# ADB Technology Co., Ltd.

## Shielded Construction - SMD/ QPIG Series

### *Reliability*

| Item | Specification | Conditions |
|---|---|---|
| Operating temperature range | -25℃ ~ +125℃ | |
| Storage temperature and humidity range | -25℃ ~ +125℃ , 70% RH Max. | |
| Solderability | More than 90% of the terminal electrode should be covered with solder. |  |
| Solder Heat Resistance | Inductance within ±20% of initial value.<br>No disconnection or short circuit.<br>The appearance shall not break. |  |
| Heat resistance | Inductance within ±20% of initial value.<br>No disconnection or short circuit.<br>The appearance shall not break. | After 500 hours in 85±5℃ and 2 hour drying under normal condition. |
| Cold resistance | Inductance within ±20% of initial value.<br>No disconnection or short circuit.<br>The appearance shall not break. | After 500 hours in -20±5℃ and 2 hour drying under normal condition. |
| Thermal shock | Inductance within ±20% of initial value.<br>No disconnection or short circuit.<br>The appearance shall not break. | After 10 cycles of following condition.<br>Step / Temperature (℃) / Times (min.)<br>1 / -25±2 / 30<br>2 / Room Temperature / Within 3<br>3 / 85±5 / 30<br>4 / Room Temperature / Within 3 |
| Humidity Resistance | Inductance within ±20% of initial value.<br>No disconnection or short circuit.<br>The appearance shall not break. | After 500 hours in 40±2℃ and 90 to 95% humidity , and 2 hour drying under normal condition. |
| Vibration Test | Inductance within ±5% of initial value and appearance shall not break. | After vibration for 1hour, In each of three orientations at sweep vibration (10~55~10Hz) with 1.52mm P-P Amplitudes. |

## Shielded Construction - SMD/ QPIG Series

### *Soldering Conditions*

Figure 1. Re-flow Soldering

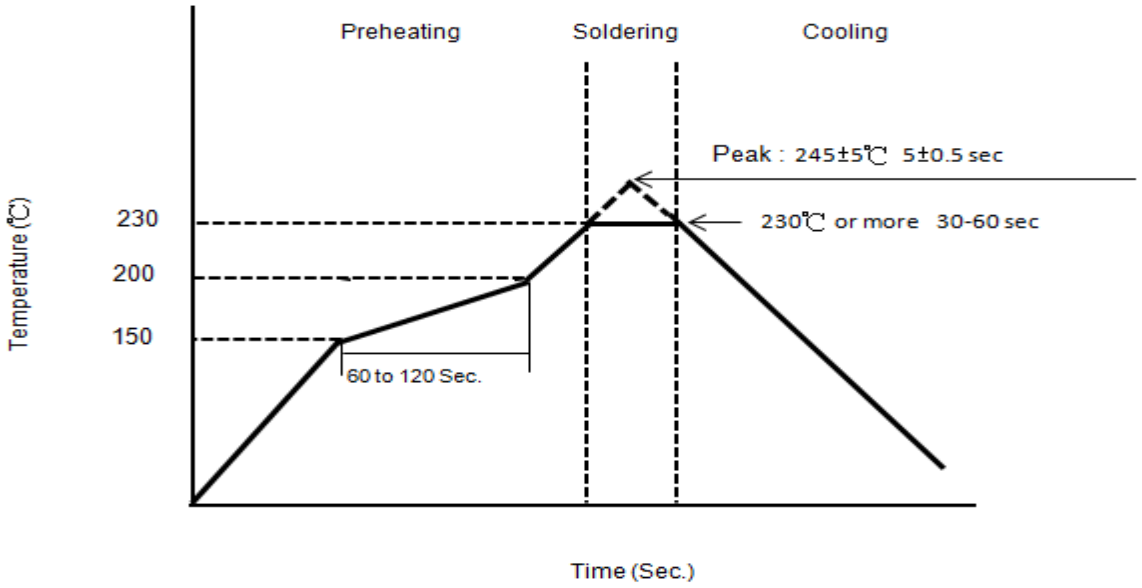
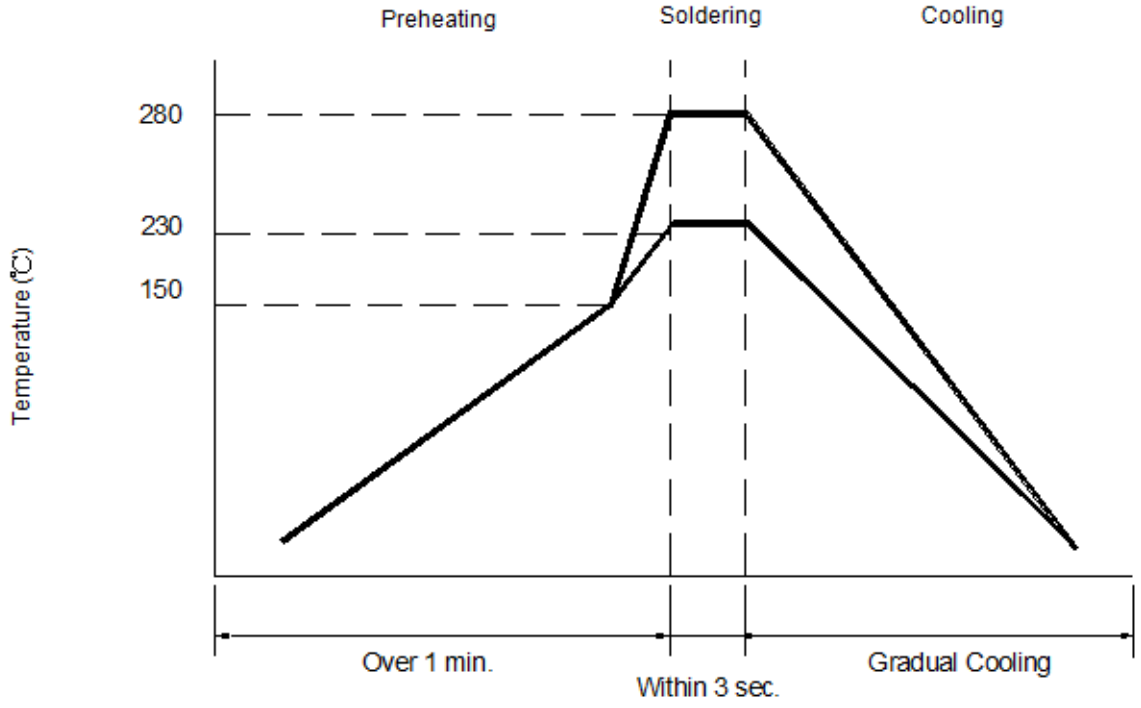



Figure 2. Hand Soldering



# ADB Technology Co., Ltd.

## Shielded Construction - SMD/ QPIG Series

***Packaging***

| | |
|---|---|
| **QPIG2510L** SERIES | 2K/Reel |
| **QPIG2512L** SERIES | 2K/Reel |
| **QPIG3010L** SERIES | 2K/Reel |
| **QPIG3012L** SERIES | 2K/Reel |
| **QPIG3015L** SERIES | 1K/Reel |
| **QPIG4018L** SERIES | 3K/Reel |
| **QPIG5020L** SERIES | 3K/Reel |
| **QPIG5040L** SERIES | 1.5K/Reel |
| **QPIG6010L** SERIES | 3K/Reel |
| **QPIG6012L** SERIES | 3K/Reel |
| **QPIG6020L** SERIES | 3K/Reel |
| **QPIG6028L** SERIES | 2K/Reel |
| **QPIG6045L** SERIES | 1K/Reel |
| **QPIG8040L** SERIES | 1K/Reel |