

● 特性 FEATURES

- * 高互换精度
High exchangeability
- * 優良的可焊性及耐熱衝擊性
Superior solderability and resistance to soldering heat shock
- * 寬的工作溫度範圍-50 ~ +300°C
The wide operation temperature ranges to +300°C from -50°C
- * 耐濕性能優良
Moisture resistant
- * 低損耗小尺寸
Low cost and small size
- * 批量化生產保證了產品的高品質和高穩定性
Excellent quality and high stability by mass production

● 用途 APPLICATIONS

- * NTC溫度傳感器, 手機電池, 充電器, 電飯煲, 洗碗機, 電烤箱, 電子體溫計, 電子萬年曆等。
Temperature sensor, mobile cell, charger, electric cooker, dish washer, electric oven, electronic clinical thermometer, electronic perpetual calendar, and so on.

● 型號命名 PART NUMBERING

FH - BWF XXX X XXXX X X - X
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① 風華公司標示記號 Guang doug Fenghua Advanced Technology(Holding) Co.,LTD code

② NTC玻封熱敏電阻器標示符號 Glass sealed thermistor code

③ 公稱電阻值 為25度時的數值 單位為歐姆 Rated zero-power resistance(R_{25})

unit: Ω

前兩位數字表示電阻值的有效數字, 第三位數字表示其后零的個數。

The first two are significant figure of resistance and the third one expresses number of following zeros

④ 電阻值公差符號(%) Tolerance of R_{25} (%)

記號Code	F	G	H	J	X
電阻值公差 Tolerance of R_{25}	± 1.0	± 2.0	± 3.0	± 5.0	特殊公差 Specific tolerance

⑤ B值常數記號 B value Code

⑥ B值公差符號(%) Tolerance of B value(%)

記號Code	F	G	H	J	X
B值公差 Tolerance of B value	± 1.0	± 2.0	± 3.0	± 5.0	特殊公差 Specific tolerance

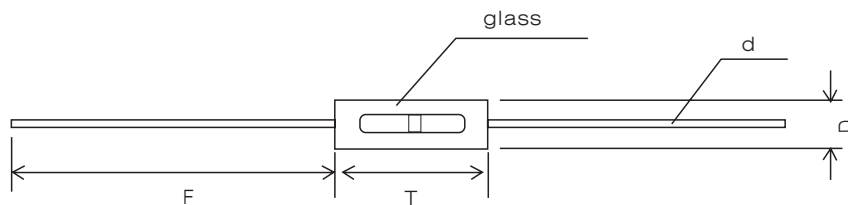
⑦ 計算B值溫度代碼 B value Temperature Code

記號 Code	A	B	C	D	E	F	G	H	M	N
兩溫度點 Temperature	25/50	25/85	0/25	0/50	0/100	0/80	25/100	-18/25	-20/25	5/25

⑧ 引線記號 Lead Style code

記號 Code	A	R
引線形式 Lead Style	軸向型 Axial	徑向型 Radial

• 外形尺寸 APPEARANCE AND DIMENSIONS



A 型



R 型

尺寸 (mm) Dimensions				引線形式 Lead Style
T (max.)	D (max.)	F (max.)	d	
4.20	1.90	28.40	0.5	A
4.20	2.30	67.30	0.3	R

● 性能參數 PERFORMANCE PARAMETER

- * 阻值範圍 (R_{25}) : 0.5~200K Ω
 Rated zero-power resistance (R_{25}) : 0.5~200K Ω
- * 阻值精度: $\pm 1\%$ $\pm 2\%$ $\pm 3\%$ $\pm 5\%$
 Resistance tolerance: $\pm 1\%$ $\pm 2\%$ $\pm 3\%$ $\pm 5\%$
- * B值範圍 (B) : 3200~4200K
 B value (B) : 3200~4200K
- * B值精度: $\pm 0.5\%$ $\pm 1\%$ $\pm 2\%$ $\pm 3\%$
 B value tolerance: $\pm 0.5\%$ $\pm 1\%$ $\pm 2\%$ $\pm 3\%$
- * 耗散系數 (静止空氣中25 $^{\circ}$ C) : 2~4mw/ $^{\circ}$ C
 Dissipation factor (in still air 25 $^{\circ}$ C): 2~4mw/ $^{\circ}$ C
- * 熱時間常數 (静止空氣中) : ≤ 20 sec
 Thermal time constant (in still air): ≤ 20 sec
- * 使用溫度範圍: -50~+300 $^{\circ}$ C
 Operating temperature: -50~+300 $^{\circ}$ C

● 產品系列 PRODUCT SERIES

型號規格 Part Number	標準電阻 R_{25} (k Ω) Rated zero-power Resistance at 25 $^{\circ}$ C	材料常數B B-Constant (K)	耗散系數 (25 $^{\circ}$ C) (mW/ $^{\circ}$ C) Dissipation factor at 25 $^{\circ}$ C	熱時間常數 (S) Thermal Time Constant	使用溫度範圍 ($^{\circ}$ C) Operating Temperature
A型					
FH-BWF502F3274FA-A	5	3274	2~4	≤ 20	-50~+300
FH-BWF502F3470FA-A	5	3470	2~4	≤ 20	-50~+300
FH-BWF103F3470FA-A	10	3470	2~4	≤ 20	-50~+300
FH-BWF103F3700FA-A	10	3700	2~4	≤ 20	-50~+300
FH-BWF152F3850FA-A	1.5	3850	2~4	≤ 20	-50~+300
FH-BWF153F3950FA-A	15	3950	2~4	≤ 20	-50~+300
FH-BWF233F4200FA-A	23	4200	2~4	≤ 20	-50~+300
FH-BWF503F4055FB-A	50	4055	2~4	≤ 20	-50~+300
FH-BWF104F3990FB-A	100	3990	2~4	≤ 20	-50~+300

型號規格 Part Number	標準電阻 R_{25} (k Ω) Rated zero-power Resistance at 25 $^{\circ}$ C	材料常數B B-Constant (K)	耗散系數 (25 $^{\circ}$ C) (mW/ $^{\circ}$ C) Dissipation factor	熱時間常數 (S) Thermal Time Constant	使用溫度範圍 ($^{\circ}$ C) Operating Temperature Range -
R型					
FH-BWF502F3274FA-R	5	3274	2~4	≤ 15	-50~+300
FH-BWF502F3470FA-R	5	3470	2~4	≤ 15	-50~+300
FH-BWF103F3470FA-R	10	3470	2~4	≤ 15	-50~+300
FH-BWF103F3700FA-R	10	3700	2~4	≤ 15	-50~+300
FH-BWF152F3850FA-R	1.5	3850	2~4	≤ 15	-50~+300
FH-BWF153F3950FA-R	15	3950	2~4	≤ 15	-50~+300
FH-BWF233F4200FA-R	23	4200	2~4	≤ 15	-50~+300
FH-BWF503F4055FB-R	50	4055	2~4	≤ 15	-50~+300
FH-BWF104F3990FB-R	100	3990	2~4	≤ 15	-50~+300

注：可根據用戶所需制作各種參數性能的高精度AT型NTCR產品

NOTE: We can design any kind of AT type NTC thermistors as your requirement.

NSCN® | WWW.NSCN.COM.CN

總機: 025-52188228 客服: 400-888-5058

技術: 025-84712971 郵箱: TECH@NSCN.COM.CN

南京南山半導體有限公司