

Precision potentiometers
(精密型电位器)

Single Turn (单圈)



Model (型号)	3381	6137/38*	6163	6173
Resistor Element Type (电阻体类型)	Conductive Plastic 导电塑胶型	Conductive Plastic 导电塑胶型	Conductive Plastic 导电塑胶型	Conductive Plastic 导电塑胶型
Diameter,Inches (外径)	1-5/16"	7/8"	7/8"	7/8"
Mounting Style (固定方式)	Bushing	Bushing	Servo	Servo
Resistance Range,Ohms (阻值范围)	1K to 300K	1K to 100K	1K to 100K	1K to 100K
Independent Linearity, (独立线性)	±0.5%	±1%	±1.0%	±0.5%
Standard* (标准型)				
Power Rating,Watts(额定功率)	2.0 at 70℃	1.0 at 70℃	1.0 at 70℃	1.0 at 70℃
Rotational Life (回转寿命)	10Mil.	10Mil.	5Mil.	5Mil.
RoHS Compliant	Yes	Yes	Yes	Yes

*Designated for high side load applications.

Multiturn (多圈)



Model (型号)	A	C	7246	7276(plastic shaft & bushing)
Resistor Element Type (电阻体类型)	Wirewound 绕线电阻型	Wirewound 绕线电阻型	Wirewound 绕线电阻型	Wirewound 绕线电阻型
Number of Turns (圈数)	10	3	10	10
Diameter,Inches (外径)	1-13/16"	1-13/16"	7/8"	7/8"
Mounting Style (固定方式)	Bushing	Bushing	Bushing	Bushing
Resistance Range,Ohms (阻值范围)	10 to 500K	5 to 100K	10 to 125K	100 to 100K
Independent Linearity, (独立线性)	±0.25%	±0.50%	±0.25%	±0.25%
Standard* (标准型)				
Power Rating,Watts(额定功率)	5.0 at 40℃	3.0 at 40℃	2.0 at 25℃	2.0 at 25℃
Rotational Life (回转寿命)	2Mil.	2Mil.	1Mil.	500K
RoHS Compliant	Yes	Yes	Yes	Yes

Specifications subject to change without notice.
*Non-standard linearities available. Consult factory.

Typical Special Features:(Consult your factory representative for details and applicability.)
典型的特殊特性:(产品细节及应用可以和你们工厂代表商量)

*Special Resistance Value and Tolerance(特殊阻值和误差)
*Special Linearity(特殊线性)
*Center Tap(中间轴头)
*Rear Shaft Extension(后轴延长)
*Shaft Flat(削边轴心)

*Slotted Shaft(轴心开槽)
*Shaft Lock(轴心锁定)
*Special Testing(特殊测试)
*Mechanical Stops (Standard on all Multiturn)
机械挡点 (适用所有多圈标准品)



Linear Actuated/Spring Return
精密线性/弹簧复归

6187	6671/6673	5611/5613	Model 404
Conductive Plastic 导电塑胶型	Conductive Plastic 导电塑胶型	Wirewound 绕线电阻型	Conductive Plastic 导电塑胶型
7/8"	2"	2"	
Bushing 1K to 100K	Bushing/Servo 1K to 300K	Bushing/Servo 15 to 80K	Bracket/Servo 1K - 150K
±1.0%	±0.25%	±0.5%	±1.0%
1.0 at 70℃ 5Mil. Yes	3.5 at 70℃ 5Mil. Yes	3.5 at 70℃ 1Mil. Yes	5Mil. Yes

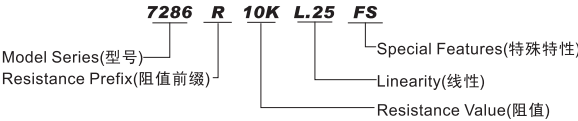


7283/7286/7288*	7383/7386/7388*	7483/7486/7488*	8136(plastic shaft & bushing)	8143/8146/8148*
Wirewound 绕线电阻型	Wirewound 绕线电阻型	Wirewound 绕线电阻型	Hybrid (Wirewound+Conductive Plastic) 绕线+导电塑胶型	Hybrid (Wirewound+Conductive Plastic) 绕线+导电塑胶型
10 7/8"	3 7/8"	5 7/8"	10 7/8"	10 7/8"
Servo/Bushing 100 to 100K	Servo/Bushing 100 to 30K	Servo/Bushing 100 to 50K	Bushing 1K to 100K	Servo/Bushing 1K to 100K
±0.25%	±0.25%	±0.25%	±0.25%	±0.25%
2.0 at 70℃ 1Mil. Yes	1.5 at 70℃ 300K Yes	1.5 at 70℃ 500K Yes	2.0 at 25℃ 1Mil. Yes	2.0 at 70℃ 5Mil. Yes

*Models 7288,7388,7488,8148 designated for high side load applications.

Ordering Information(产品命名方式)

Standard (标准命名方式)



Special Design Capability

An extensive variety of special feature options are available for the standard models shown above.
Your local BI Technologies representative can provide design assistance and recommendations.
Factory application engineering support is also available to provide custom solutions for special requirements.

March 23, 2009

Re: Authorized Seller for BI
Technologies

Dear Customer:

This letter serves as authorization for POLYSHINE HOLDINGS LTD. to sell
BI Technologies product in CHINA, TAIWAN & HONG KONG.

BI Technologies will offer its standard warranty to customers who have
purchased BI products from POLYSHINE HOLDING LTD.

Regards,

Frank Pipitone 3/23/09

Frank Pipitone

Vice President Variable Components

BI Technologies Corporation



BI Technologies Corporation
4200 Bonita Place, Fullerton, CA 92835, USA
Telephone: +1 (714) 447 2300
Facsimile: +1 (714) 447 2400
Website: www.bitechnologies.com



A subsidiary of TT electronics plc

全球銷售網絡
SALES NETWORK

- 臺灣福哥興業股份有限公司
FAVOR UNION CO.,LTD.
地址:臺北縣新莊市大安路20號
Add.:No.20,Ta An Road,Hsin Chuang City,Taipei Hsien,Taiwan
Tel: +886 2 2202 8766
Fax: +886 2 2204 3500
Website:http://www.polyshine.cn
E_mail:wanglai@ms26.hinet.net
- 香港普耀集團有限公司
POLYSHINE HOLDINGS LTD.
地址:香港沙田火炭坳背街34-36號豐盛工業中心
A座14樓15-16室
Add.:Unit 15-16,14/F.,Block A,Veristrong Ind.Ctr.,34-36
Au Pui Wan St.,Fotan,Shatin,Hong Kong.
Tel: +852 2687 2282
Fax: +852 2687 2320
Website:http://www.polyshine.cn
E_mail:polyshine@polyshine.com.hk
- 廣西欽州福晟電子有限公司
FAVORSHINE ELECTRONICS(QINZHOU GUANGXI)CO.,LTD.
Add.:XinGuang Road,YinHe Street,QinZhou,GuangXi,China
Tel: +86 777 2896661
Fax: +86 777 2896662
E_mail: qzfs01@favorshine.com

- 昆山福燁電子有限公司
KUNSHAN FAVORSTAR ELECTRONICS CO.,LTD.
Add: No.99, Mingtong Road, Zhouzhuang Town,
Kunshan City, Jiangsu, China
Tel: +86 512 3683 1027
Fax: +86 512 3683 1026
Website:http://www.favorstar.com.cn
E_mail: carlin@polyshine.cn
- 東莞福哥電子有限公司
FAVOR ELECTRONICS(DONGGUAN)CO.,LTD.
Add.:5th Industrial Area,LiuHuang, Chashan Town,
DongGuan City,GuangDong,China
Tel: +86 769 8664 9798
Fax: +86 769 8664 5764
E_mail:polyshine@polyshine.cn
- 普耀集團深圳辦事處
Polyshine (ShenZhen) office
Tel: +86 755 2745 4096
Fax: +86 755 2992 1641
E_mail:biz-sz@polyshine.cn
- 普耀集團東莞辦事處
Polyshine (DongGuan) office
Tel: +86 769 8112 8762
Fax: +86 769 8112 8761
E_mail:biz-ps@polyshine.cn



福哥興業股份有限公司
FAVOR UNION CO.,LTD.



普耀集團有限公司
POLYSHINE HOLDINGS LTD.



廣西欽州福晟電子有限公司
FAVORSHINE ELECTRONICS
(QINZHOU GUANGXI) CO.,LTD.



昆山福燁電子有限公司
KUNSHAN FAVORSTAR ELECTRONICS CO.,LTD.

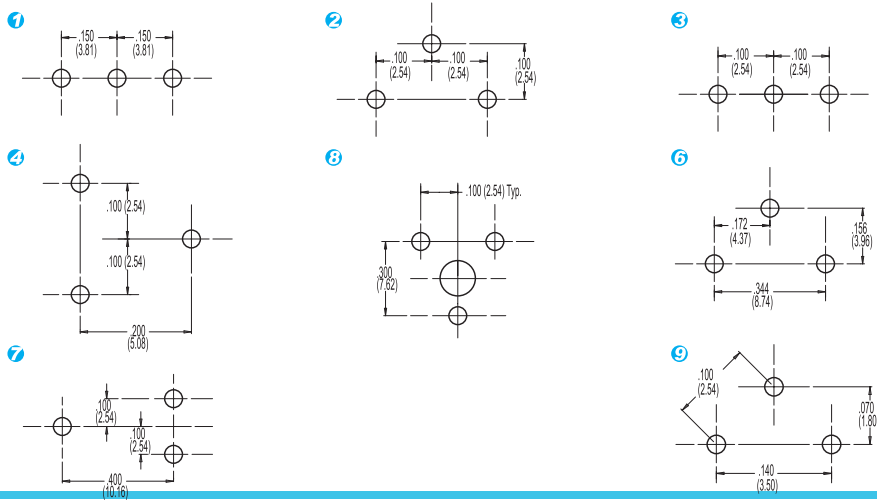
BI中國大陸特約經銷商
BI'S SALES AGENT IN CHINA

Trimming Potentiometers (半可调电位器)



Model (型号)	25	62	72 ^{Note B}	82	93
Size ^{Note A} (尺寸)	1/4"(6.35mm)	1/4"(6.35mm)	3/8"(9.53mm)	1/4"(6.35mm)	1/2"(12.70mm)
Electrical Travel (电气角度)	210°	220°	244°	220°	270°
Resistance (全阻值)					
Range, Ohms (阻值范围)	10 to 2 Meg	10 to 2 Meg	10 to 2 Meg	10 to 2 Meg	10 to 2 Meg
Tolerance (%)	± 10	± 10	± 10	± 10	± 10
(阻值允许误差)	(± 10Available)	(<100Ω± 20)	(<100Ω± 20)	(<100Ω± 20)	(<100Ω± 20)
Temp. Coefficient, ppm/°C	± 100	± 100	± 100	± 100	± 100
(温度系数)	(<200Ω± 250)	(<100Ω± 250)	(<100Ω± 250)	(<100Ω± 250)	(<100Ω± 250)
Contact Resistance Variance, Max. (接触抵抗变化)	1%	1%	1%	1%	1%
	(<100Ω± 1Ω)	(<100Ω± 1Ω)	(<100Ω± 1Ω)	(<100Ω± 1Ω)	(<100Ω± 1Ω)
Adjustment Style (调节方式)					
Top Adjustment (顶部调整型)	25P ② 25U ③ 25W ⑧	62P ⑨, PF 62M ②	72P, PT ②, RP 72PL ③ 72PM ④ 72PX, RPX ①	82M ② 82P ⑩, PF 82W ③	93P ②
Side, Edge Mount (侧面调整型)	25S ② 25V ③ 25X ②, 25Z		72RX, X, XT ② 72RW, XL, RXL ③ 72XW, RXW ①	82PA ②	
Bottom Adjustment (底部调整型)		62B ⑧			
Packaging Options (包装方式)					
Bulk (散装)	Standard	NA	Standard	Standard	Standard
Tubes (管装)	Standard		P, PM, X, XL, XW, RW	M, P, PA, W	N/A
Tape & Reel (编带&卷轮)	U, V	N/A	RWF ^{Note C}	WF ^{Note C}	N/A
Ammo Pack (纸带包装)	U, V	N/A	RWF ^{Note C}	WF ^{Note C}	N/A
RoHS Compliant	Yes	Yes	Yes	Yes	Yes

PC Board Patterns (PCB板孔尺寸图)



Note A Dimensions shown are for popular pin styles. Consult data sheet for complete information.
(右图尺寸为常用引脚类型, 详细信息请参考承认书)

Note B Optional adjustment knob version available (Models 72PT & 72XT).
(Models 72PT&72XT 调节旋钮可随意选择)

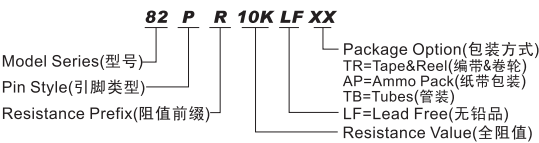
Note C "F" is added to pin style for Tape & Reel and Ammo Pack.
("F"型引脚类型适用于编带&卷轮及纸带包装)

Sealed Single Turn(单圈密封型)
Surface Mount (表面安装式)

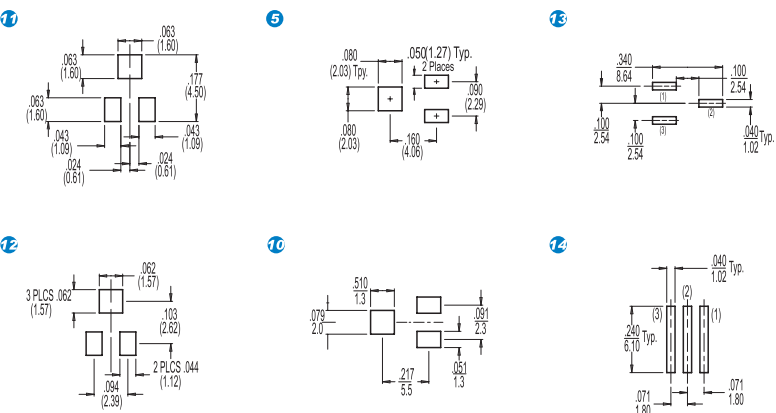


22	23	83
.118"(3mm)	.157"(4mm)	1/4"(6.35mm)
220°	200°/210°	220°
100 to 1 Meg	10 to 2 Meg	10 to 1 Meg
± 20%	± 20%	± 10%
		(<100 ohms= ± 20%)
± 100	± 100	± 100%
(<200Ω= ± 250)	(<200Ω= ± 250)	(<100 ohms=1 ohm)
3%	2%	
	(<200Ω= 3Ω)	
22A ¹¹	23A ⁵	83P ¹³
22S ¹²	23B ¹⁰	
	23S ⁶	83Y ¹⁴
N/A	N/A	TB(Y only)
A,B	Standard	TR(P only)
N/A	N/A	N/A
Yes	Yes	Yes

Ordering Information(产品命名方式)



PC Board Patterns (PCB板孔尺寸图)



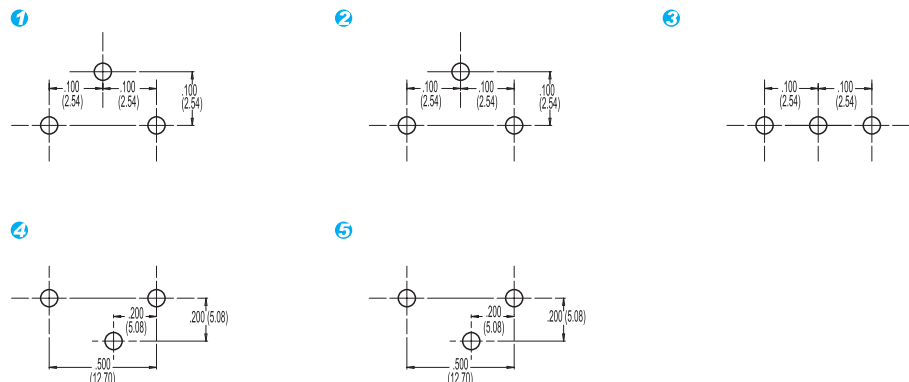
Trimming Potentiometers (半可调电阻器)



Model (型号)	64	67	68	89/90
Size ^{Note A} (尺寸)	1/4"(6.35mm)	3/8"(9.53mm)	3/8"(9.53mm)	3/4"(19.05mm) ^{Note B}
Electrical Travel (电气角度)	12 Turns	20 Turns	20 Turns	20 Turns
Resistance (全阻值)				
Range, Ohms (阻值范围)	10 to 2 Meg	10 to 2 Meg	10 to 2 Meg	10 to 2 Meg
Tolerance(%) (阻值允许误差)	± 10	± 10 (<100Ω= ±20)	± 10 (<100Ω= ±20)	± 10 (<100Ω= ±20)
Temp. Coefficient, ppm/°C (温度系数)	± 100	± 100	± 100	± 100
Contact Resistance Variance, Max. (接触阻抗变化)	1% (<100Ω= 1Ω)	1% (<100Ω= 1Ω)	1% (<100Ω= 1Ω)	1% (<100Ω= 1Ω)
Adjustment Style (调节方式)				
Top Adjustment (顶部调整型)	64W ² 64Y ³	67W ³ 67Y ²	68W ³	89P, 89PH ⁴ , 90P ^{Note F}
Side, Edge Mount (侧边调整型)	64X ² 64Z ³	67X ³ 67Z ²	68X ³	89W, 89WH ⁵ 89X, 89XH ¹
Side, Flat Mount (侧面调整型)	64P ²	67P ²	68P ²	
Packaging Options (包装方式)				
Bulk (散装)	N/A	Standard	Standard	Standard
Tubes (管装)	Standard	P, W, X, Y, Z	P, W, X	P, X, W, PH, WH, XH
Tape & Reel ^{Note E} (编带 & 卷轮)	YF, ZF ^{Note E}	WF, XF ^{Note E}	WF, XF ^{Note E}	N/A
Ammo Pack ^{Note E} (纸带包装)	YF, ZF ^{Note E}	WF, XF ^{Note E}	WF, XF ^{Note E}	N/A
RoHS Compliant	Yes	Yes	Yes	Yes

Specifications subject to change without notice.
Fluorinet® is a registered trademark of 3M Company.

PC Board Patterns(PCB板孔尺寸图)

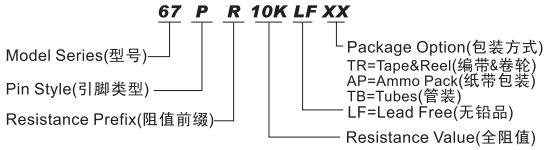


Sealed Multiturn(多圈密封型)
Surface Mount (表面安装式)

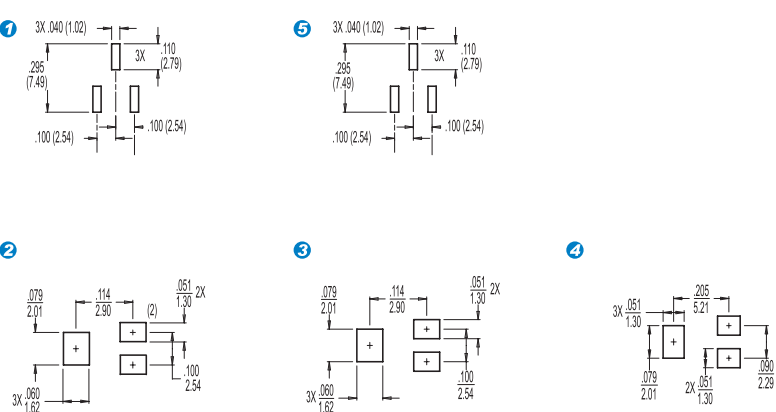


43	44	45	84
3mm	.157"(4mm)	.157"(4mm)	1/4"(6.35mm)
11 turns	9 Turns	15 Turns	12 Turns
10 to 2 Meg	10 to 2 Meg	10 to 2 Meg	10 to 2 Meg
± 20	± 10	± 10	± 10
	(<100Ω= ± 20%)	(<100Ω= ± 20%)	
± 100	± 100	± 100	± 100
(<100Ω= ± 250)	(<100Ω= ± 250)	(<100Ω= ± 250)	
1%	1%	1%	1%
(<300Ω= 3%)	(<100Ω= 1Ω)	(<100Ω= 1Ω)	(<100Ω= 1Ω)
43W	44W ③	45W ③	84W ①
	44J ④	45J ④	84X ①
	44G ⑤	45G ⑤	
Note G	N/A	N/A	N/A ②
Note H	G,J,W	G,J,W	Standard
	Standard	Standard	P,W,X
	N/A	N/A	N/A
Yes	Yes	Yes	Yes

Ordering Information(产品命名方式)



PC Board Patterns (PCB板孔尺寸图)



Custom Trimmers

Special electrical and mechanical features are available for specific customer applications. For additional information and complete product specifications, contact your local BI Technologies representative.