



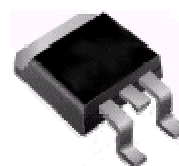
## DESCRIPTION

The ET7805m is fixed-voltage monolithic integrated-circuit voltage regulator, which is designed for a wide range of applications. These applications include on-card regulation for elimination of noise and distribution problems associated with single-point regulation. ET7805m can deliver up to 1.5 amperes of output current. The internal limiting and thermal shutdown features of ET7805m make it essentially immune to overload.

The ET7805m is available in the plastic TO-252, TO-220 and TO-263 package.

## FEATURE

- 3-Terminal Regulators
- Output Current Up to 1.5 A
- No External Components
- Internal Thermal Overload Protection
- High Power Dissipation Protection
- Internal Short-Circuit Current Limiting
- Output Transistor Safe-Area Compensation

**TO-252****TO-220****TO-263**

## Absolute maximum ratings over operating temperature range (unless otherwise noted)

	ET 7805m	UNIT
Input voltage	35	V
Continuous total dissipation at 25°C free-air temperature	2	W
Continuous total dissipation at (or below) 25°C case temperature	15	
Operating free-air, case, or virtual junctions temperature range	0 to 150	°C
Storage temperature range	-65 to 150	
Lead temperature 1.6mm (1/16) from case for 10 seconds	260	



## Recommended operating conditions

PARAMETER	MIN	MAX	UNIT
Input voltage, $V_I$	7	25	V
Output current, $I_O$		1.5	A
Operating virtual junction temperature, $T_J$	0	125	°C

## ET7805m electrical characteristics

$V_I = 10V, I_O = 500mA$  (unless otherwise noted)

PARAMETER	TEST CONDITIONS*		ET7805m			UNIT
			MIN	TYP	MAX	
Output voltage**		25°C	4.8	5	5.2	V
	$I_O = 5mA$ to 1A, $V_I = 8V$ to 21V, $P \leq 15W$	0°C to 125°C	4.75	5	5.25	
Input regulation	$V_I = 8V$ to 25V	25°C		3	100	mV
	$V_I = 8V$ to 12V			1	50	
Ripple rejection	$V_I = 8V$ to 18V, $f = 120Hz$	0°C to 125°C	62	78		dB
Output regulation	$I_O = 5mA$ to 1.5A	25°C		15	100	mV
	$I_O = 250mA$ to 750mA			5	50	
Output resistance	$f = 1KHz$	0°C to 125°C		0.01 7		Ω
Temperature coefficient of output voltage	$I_O = 5mA$	0°C to 125°C		-1.1		mV/°C
Output noise voltage	$f = 10Hz$ to 100KHz	25°C		40		μV
Dropout voltage	$I_O = 1A$	25°C		2.0		V
Bias current		25°C		4.2	8	
Bias current change	$V_I = 7V$ to 25V	0°C to 125°C			1.3	mA
	$I_O = 5mA$ to 1A				0.5	
Short-circuit output current		25°C		750		
Peak output current		25°C		2.2		A

\*Pulse testing techniques are used to maintain the junction temperature as close to the ambient temperature as possible. Thermal effects must be taken into account separately.

\*\* This specification applies only for dc power dissipation permitted by absolute maximum ratings.



## Test Report

No. SH407126/CHEM

Date: 4.26.2004

Page 1 of 2

SHANGHAI SINYANG ELECTRONICS CHEMICALS CO., LTD  
NO. 98 JINJIUA ZHI ROAD, JIANGQIAO INDUSTRIAL ZONE, JIADING, SHANGHAI, CHINA

The following sample(s) was/were submitted and identified on behalf of the applicant

Sample Description : SYTB10  
SGS Ref No. : SHEC0040402766-3

Sample Receiving Date : April 21, 2004  
Testing Period : April 21 to April 26, 2004

Test Requested : 1) To determine the Cadmium Content of the submitted sample.  
2) To determine the Lead content of the submitted sample.  
3) To determine Mercury Content of the submitted sample.  
4) To determine Hexavalent Chromium content of the submitted sample.  
5) To determine the PBBs(Polybrominated biphenyls) PBBEs(PBDEs)  
(Polybrominated biphenyl ethers) Content of the submitted samples.

Test method : 1) With reference to BS EN 1122:2001, Method B.  
Analysis was performed by Inductively Coupled Argon Plasma – Atomic Emission Spectrometry (ICP-AES) or Atomic Absorption Spectrometry.  
2) With reference to US EPA Method 3050B.  
Analysis was performed by Inductively Coupled Argon Plasma – Atomic Emission Spectrometry (ICP-AES) or Atomic Absorption Spectrometry.  
3) With reference to US EPA 3052.  
Analysis was performed by Inductively Coupled Argon Plasma – Atomic Emission Spectrometry (ICP-AES).  
4) With reference to US EPA3060A and US EPA7196A  
5) With reference to US EPA 8081, Analysis was performed GC/MS.

Test Results : Please refer to next page

Signed for and on behalf of  
SGS-USTC Chemical Laboratory

  
Ela Zhang  
Supervisor



This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Full terms are also available upon request or are accessible at [www.sgs.com](http://www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. This Test Report is not to be reproduced except in full, without written approval of the Company.

SHCH 127656

SGS (Sino) Standards Technical Services Co., Ltd. 1/F, 2/F, 3/F & 10/F, the 3rd Building, No. 888, Yuhang Road, Xuhui District, Shanghai, China 200233. Tel: 86 21 6161 0111 Fax: 86 21 5450 0314  
Shanghai Branch Testing Center (Consumer Laboratory) 中国 上海 徐汇区宜山路888号3号4楼1013室 邮编: 200233 Tel: 86 21 6161 0111 Fax: 86 21 5450 0314 [www.cn.sgs.com](http://www.cn.sgs.com)  
Compagnie Générale de Surveillance



## Test Report

No. SH407126/CHEM

Date: 4.26.2011

Page 2 of 2

### Test Results

#### 1) BS EN 1122:2001, Method B - Heavy Metal Analysis : Cadmium Content

A  
N.D.

Cadmium (Cd)  
(Result shown is of the total weight of liquid sample)  
N.D. = Non-detected (Detection limit <2.0 ppm)

#### 2) US EPA 3050B - Heavy Metal Analysis : Lead Content

A  
N.D.

Lead (Pb)  
(Result shown is of the total weight of liquid sample)  
N.D. = Non-detected (Detection limit <2.0 ppm)

#### 3) Mercury Content

A  
N.D.

Mercury (Hg)  
(Result shown is of the total weight of liquid sample)  
N.D. = Non-detected (Detection limit <2.0 ppm)

#### 4) Hexavalent Chromium Content

A  
N.D.

Hexavalent Chromium (Cr VI)  
(Result shown is of the total weight of liquid sample)  
N.D. = Non-detected (Detection limit <2.0 ppm)

#### 5) PBBs(Polybrominated biphenyls) PBDEs(PBDEs) (Polybrominated biphenyl ethers) content

Test Item(s):	A
PBBs(Polybrominated biphenyls)	N.D.
PBDEs(PBDEs)(Polybrominated biphenyl ethers)	N.D.

(Result shown is of the total weight of liquid sample)  
N.D. = Non-detected (Detection limit <5.0 ppm)

### Sample Description:

A. Transparent liquid

Note : ppm=mg/kg

\*\*\* End of Report \*\*\*

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached and is available upon request or are accessible at [www.sgs.com](http://www.sgs.com). Attention is drawn to the limitations of liability, indemnification and jurisdictional policies outlined therein. The results shown in this Test Report are only for the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.

SHCH 127555

SGS (Shanghai) Inspection & Certification Co., Ltd.  
Suzhou Branch, Suzhou City, Jiangsu Province

1/F, 7/F, 8/F, 9/F, 10/F, 11/F, 12/F, 13/F, 14/F, 15/F, 16/F, 17/F, 18/F, 19/F, 20/F, 21/F, 22/F, 23/F, 24/F, 25/F, 26/F, 27/F, 28/F, 29/F, 30/F, 31/F, 32/F, 33/F, 34/F, 35/F, 36/F, 37/F, 38/F, 39/F, 40/F, 41/F, 42/F, 43/F, 44/F, 45/F, 46/F, 47/F, 48/F, 49/F, 50/F, 51/F, 52/F, 53/F, 54/F, 55/F, 56/F, 57/F, 58/F, 59/F, 60/F, 61/F, 62/F, 63/F, 64/F, 65/F, 66/F, 67/F, 68/F, 69/F, 70/F, 71/F, 72/F, 73/F, 74/F, 75/F, 76/F, 77/F, 78/F, 79/F, 80/F, 81/F, 82/F, 83/F, 84/F, 85/F, 86/F, 87/F, 88/F, 89/F, 90/F, 91/F, 92/F, 93/F, 94/F, 95/F, 96/F, 97/F, 98/F, 99/F, 100/F, 101/F, 102/F, 103/F, 104/F, 105/F, 106/F, 107/F, 108/F, 109/F, 110/F, 111/F, 112/F, 113/F, 114/F, 115/F, 116/F, 117/F, 118/F, 119/F, 120/F, 121/F, 122/F, 123/F, 124/F, 125/F, 126/F, 127/F, 128/F, 129/F, 130/F, 131/F, 132/F, 133/F, 134/F, 135/F, 136/F, 137/F, 138/F, 139/F, 140/F, 141/F, 142/F, 143/F, 144/F, 145/F, 146/F, 147/F, 148/F, 149/F, 150/F, 151/F, 152/F, 153/F, 154/F, 155/F, 156/F, 157/F, 158/F, 159/F, 160/F, 161/F, 162/F, 163/F, 164/F, 165/F, 166/F, 167/F, 168/F, 169/F, 170/F, 171/F, 172/F, 173/F, 174/F, 175/F, 176/F, 177/F, 178/F, 179/F, 180/F, 181/F, 182/F, 183/F, 184/F, 185/F, 186/F, 187/F, 188/F, 189/F, 190/F, 191/F, 192/F, 193/F, 194/F, 195/F, 196/F, 197/F, 198/F, 199/F, 200/F, 201/F, 202/F, 203/F, 204/F, 205/F, 206/F, 207/F, 208/F, 209/F, 210/F, 211/F, 212/F, 213/F, 214/F, 215/F, 216/F, 217/F, 218/F, 219/F, 220/F, 221/F, 222/F, 223/F, 224/F, 225/F, 226/F, 227/F, 228/F, 229/F, 230/F, 231/F, 232/F, 233/F, 234/F, 235/F, 236/F, 237/F, 238/F, 239/F, 240/F, 241/F, 242/F, 243/F, 244/F, 245/F, 246/F, 247/F, 248/F, 249/F, 250/F, 251/F, 252/F, 253/F, 254/F, 255/F, 256/F, 257/F, 258/F, 259/F, 260/F, 261/F, 262/F, 263/F, 264/F, 265/F, 266/F, 267/F, 268/F, 269/F, 270/F, 271/F, 272/F, 273/F, 274/F, 275/F, 276/F, 277/F, 278/F, 279/F, 280/F, 281/F, 282/F, 283/F, 284/F, 285/F, 286/F, 287/F, 288/F, 289/F, 290/F, 291/F, 292/F, 293/F, 294/F, 295/F, 296/F, 297/F, 298/F, 299/F, 300/F, 301/F, 302/F, 303/F, 304/F, 305/F, 306/F, 307/F, 308/F, 309/F, 310/F, 311/F, 312/F, 313/F, 314/F, 315/F, 316/F, 317/F, 318/F, 319/F, 320/F, 321/F, 322/F, 323/F, 324/F, 325/F, 326/F, 327/F, 328/F, 329/F, 330/F, 331/F, 332/F, 333/F, 334/F, 335/F, 336/F, 337/F, 338/F, 339/F, 340/F, 341/F, 342/F, 343/F, 344/F, 345/F, 346/F, 347/F, 348/F, 349/F, 350/F, 351/F, 352/F, 353/F, 354/F, 355/F, 356/F, 357/F, 358/F, 359/F, 360/F, 361/F, 362/F, 363/F, 364/F, 365/F, 366/F, 367/F, 368/F, 369/F, 370/F, 371/F, 372/F, 373/F, 374/F, 375/F, 376/F, 377/F, 378/F, 379/F, 380/F, 381/F, 382/F, 383/F, 384/F, 385/F, 386/F, 387/F, 388/F, 389/F, 390/F, 391/F, 392/F, 393/F, 394/F, 395/F, 396/F, 397/F, 398/F, 399/F, 400/F, 401/F, 402/F, 403/F, 404/F, 405/F, 406/F, 407/F, 408/F, 409/F, 410/F, 411/F, 412/F, 413/F, 414/F, 415/F, 416/F, 417/F, 418/F, 419/F, 420/F, 421/F, 422/F, 423/F, 424/F, 425/F, 426/F, 427/F, 428/F, 429/F, 430/F, 431/F, 432/F, 433/F, 434/F, 435/F, 436/F, 437/F, 438/F, 439/F, 440/F, 441/F, 442/F, 443/F, 444/F, 445/F, 446/F, 447/F, 448/F, 449/F, 450/F, 451/F, 452/F, 453/F, 454/F, 455/F, 456/F, 457/F, 458/F, 459/F, 460/F, 461/F, 462/F, 463/F, 464/F, 465/F, 466/F, 467/F, 468/F, 469/F, 470/F, 471/F, 472/F, 473/F, 474/F, 475/F, 476/F, 477/F, 478/F, 479/F, 480/F, 481/F, 482/F, 483/F, 484/F, 485/F, 486/F, 487/F, 488/F, 489/F, 490/F, 491/F, 492/F, 493/F, 494/F, 495/F, 496/F, 497/F, 498/F, 499/F, 500/F, 501/F, 502/F, 503/F, 504/F, 505/F, 506/F, 507/F, 508/F, 509/F, 510/F, 511/F, 512/F, 513/F, 514/F, 515/F, 516/F, 517/F, 518/F, 519/F, 520/F, 521/F, 522/F, 523/F, 524/F, 525/F, 526/F, 527/F, 528/F, 529/F, 530/F, 531/F, 532/F, 533/F, 534/F, 535/F, 536/F, 537/F, 538/F, 539/F, 540/F, 541/F, 542/F, 543/F, 544/F, 545/F, 546/F, 547/F, 548/F, 549/F, 550/F, 551/F, 552/F, 553/F, 554/F, 555/F, 556/F, 557/F, 558/F, 559/F, 560/F, 561/F, 562/F, 563/F, 564/F, 565/F, 566/F, 567/F, 568/F, 569/F, 570/F, 571/F, 572/F, 573/F, 574/F, 575/F, 576/F, 577/F, 578/F, 579/F, 580/F, 581/F, 582/F, 583/F, 584/F, 585/F, 586/F, 587/F, 588/F, 589/F, 590/F, 591/F, 592/F, 593/F, 594/F, 595/F, 596/F, 597/F, 598/F, 599/F, 600/F, 601/F, 602/F, 603/F, 604/F, 605/F, 606/F, 607/F, 608/F, 609/F, 610/F, 611/F, 612/F, 613/F, 614/F, 615/F, 616/F, 617/F, 618/F, 619/F, 620/F, 621/F, 622/F, 623/F, 624/F, 625/F, 626/F, 627/F, 628/F, 629/F, 630/F, 631/F, 632/F, 633/F, 634/F, 635/F, 636/F, 637/F, 638/F, 639/F, 640/F, 641/F, 642/F, 643/F, 644/F, 645/F, 646/F, 647/F, 648/F, 649/F, 650/F, 651/F, 652/F, 653/F, 654/F, 655/F, 656/F, 657/F, 658/F, 659/F, 660/F, 661/F, 662/F, 663/F, 664/F, 665/F, 666/F, 667/F, 668/F, 669/F, 670/F, 671/F, 672/F, 673/F, 674/F, 675/F, 676/F, 677/F, 678/F, 679/F, 680/F, 681/F, 682/F, 683/F, 684/F, 685/F, 686/F, 687/F, 688/F, 689/F, 690/F, 691/F, 692/F, 693/F, 694/F, 695/F, 696/F, 697/F, 698/F, 699/F, 700/F, 701/F, 702/F, 703/F, 704/F, 705/F, 706/F, 707/F, 708/F, 709/F, 710/F, 711/F, 712/F, 713/F, 714/F, 715/F, 716/F, 717/F, 718/F, 719/F, 720/F, 721/F, 722/F, 723/F, 724/F, 725/F, 726/F, 727/F, 728/F, 729/F, 730/F, 731/F, 732/F, 733/F, 734/F, 735/F, 736/F, 737/F, 738/F, 739/F, 740/F, 741/F, 742/F, 743/F, 744/F, 745/F, 746/F, 747/F, 748/F, 749/F, 750/F, 751/F, 752/F, 753/F, 754/F, 755/F, 756/F, 757/F, 758/F, 759/F, 760/F, 761/F, 762/F, 763/F, 764/F, 765/F, 766/F, 767/F, 768/F, 769/F, 770/F, 771/F, 772/F, 773/F, 774/F, 775/F, 776/F, 777/F, 778/F, 779/F, 780/F, 781/F, 782/F, 783/F, 784/F, 785/F, 786/F, 787/F, 788/F, 789/F, 790/F, 791/F, 792/F, 793/F, 794/F, 795/F, 796/F, 797/F, 798/F, 799/F, 800/F, 801/F, 802/F, 803/F, 804/F, 805/F, 806/F, 807/F, 808/F, 809/F, 810/F, 811/F, 812/F, 813/F, 814/F, 815/F, 816/F, 817/F, 818/F, 819/F, 820/F, 821/F, 822/F, 823/F, 824/F, 825/F, 826/F, 827/F, 828/F, 829/F, 830/F, 831/F, 832/F, 833/F, 834/F, 835/F, 836/F, 837/F, 838/F, 839/F, 840/F, 841/F, 842/F, 843/F, 844/F, 845/F, 846/F, 847/F, 848/F, 849/F, 850/F, 851/F, 852/F, 853/F, 854/F, 855/F, 856/F, 857/F, 858/F, 859/F, 860/F, 861/F, 862/F, 863/F, 864/F, 865/F, 866/F, 867/F, 868/F, 869/F, 870/F, 871/F, 872/F, 873/F, 874/F, 875/F, 876/F, 877/F, 878/F, 879/F, 880/F, 881/F, 882/F, 883/F, 884/F, 885/F, 886/F, 887/F, 888/F, 889/F, 890/F, 891/F, 892/F, 893/F, 894/F, 895/F, 896/F, 897/F, 898/F, 899/F, 900/F, 901/F, 902/F, 903/F, 904/F, 905/F, 906/F, 907/F, 908/F, 909/F, 910/F, 911/F, 912/F, 913/F, 914/F, 915/F, 916/F, 917/F, 918/F, 919/F, 920/F, 921/F, 922/F, 923/F, 924/F, 925/F, 926/F, 927/F, 928/F, 929/F, 930/F, 931/F, 932/F, 933/F, 934/F, 935/F, 936/F, 937/F, 938/F, 939/F, 940/F, 941/F, 942/F, 943/F, 944/F, 945/F, 946/F, 947/F, 948/F, 949/F, 950/F, 951/F, 952/F, 953/F, 954/F, 955/F, 956/F, 957/F, 958/F, 959/F, 960/F, 961/F, 962/F, 963/F, 964/F, 965/F, 966/F, 967/F, 968/F, 969/F, 970/F, 971/F, 972/F, 973/F, 974/F, 975/F, 976/F, 977/F, 978/F, 979/F, 980/F, 981/F, 982/F, 983/F, 984/F, 985/F, 986/F, 987/F, 988/F, 989/F, 990/F, 991/F, 992/F, 993/F, 994/F, 995/F, 996/F, 997/F, 998/F, 999/F, 1000/F, 1001/F, 1002/F, 1003/F, 1004/F, 1005/F, 1006/F, 1007/F, 1008/F, 1009/F, 1010/F, 1011/F, 1012/F, 1013/F, 1014/F, 1015/F, 1016/F, 1017/F, 1018/F, 1019/F, 1020/F, 1021/F, 1022/F, 1023/F, 1024/F, 1025/F, 1026/F, 1027/F, 1028/F, 1029/F, 1030/F, 1031/F, 1032/F, 1033/F, 1034/F, 1035/F, 1036/F, 1037/F, 1038/F, 1039/F, 1040/F, 1041/F, 1042/F, 1043/F, 1044/F, 1045/F, 1046/F, 1047/F, 1048/F, 1049/F, 1050/F, 1051/F, 1052/F, 1053/F, 1054/F, 1055/F, 1056/F, 1057/F, 1058/F, 1059/F, 1060/F, 1061/F, 1062/F, 1063/F, 1064/F, 1065/F, 1066/F, 1067/F, 1068/F, 1069/F, 1070/F, 1071/F, 1072/F, 1073/F, 1074/F, 1075/F, 1076/F, 1077/F, 1078/F, 1079/F, 1080/F, 1081/F, 1082/F, 1083/F, 1084/F, 1085/F, 1086/F, 1087/F, 1088/F, 1089/F, 1090/F, 1091/F, 1092/F, 1093/F, 1094/F, 1095/F, 1096/F, 1097/F, 1098/F, 1099/F, 1100/F, 1101/F, 1102/F, 1103/F, 1104/F, 1105/F, 1106/F, 1107/F, 1108/F, 1109/F, 1110/F, 1111/F, 1112/F, 1113/F, 1114/F, 1115/F, 1116/F, 1117/F, 1118/F, 1119/F, 1120/F, 1121/F, 1122/F, 1123/F, 1124/F, 1125/F, 1126/F, 1127/F, 1128/F, 1129/F, 1130/F, 1131/F, 1132/F, 1133/F, 1134/F, 1135/F, 1136/F, 1137/F, 1138/F, 1139/F, 1140/F, 1141/F, 1142/F, 1143/F, 1144/F, 1145/F, 1146/F, 1147/F, 1148/F, 1149/F, 1150/F, 1151/F, 1152/F, 1153/F, 1154/F, 1155/F, 1156/F, 1157/F, 1158/F, 1159/F, 1160/F, 1161/F, 1162/F, 1163/F, 1164/F, 1165/F, 1166/F, 1167/F, 1168/F, 1169/F, 1170/F, 1171/F, 1172/F, 1173/F, 1174/F, 1175/F, 1176/F, 1177/F, 1178/F, 1179/F, 1180/F, 1181/F, 1182/F, 1183/F, 1184/F, 1185/F, 1186/F, 1187/F, 1188/F, 1189/F, 1190/F, 1191/F, 1192/F, 1193/F, 1194/F, 1195/F, 1196/F, 1197/F, 1198/F, 1199/F, 1200/F, 1201/F, 1202/F, 1203/F, 1204/F, 1205/F, 1206/F, 1207/F, 1208/F, 1209/F, 1210/F, 1211/F, 1212/F, 1213/F, 1214/F, 1215/F, 1216/F, 1217/F, 1218/F, 1219/F, 1220/F, 1221/F, 1222/F, 1223/F, 1224/F, 1225/F, 1226/F, 1227/F, 1228/F, 1229/F, 1230/F, 1231/F, 1232/F, 1233/F, 1234/F, 1235/F, 1236/F, 1237/F, 1238/F, 1239/F, 1240/F, 1241/F, 1242/F, 1243/F, 1244/F, 1245/F, 1246/F, 1247/F, 1248/F, 1249/F, 1250/F, 1251/F, 1252/F, 1253/F, 1254/F, 1255/F, 1256/F, 1257/F, 1258/F, 1259/F, 1260/F, 1261/F, 1262/F, 1263/F, 1264/F, 1265/F, 1266/F, 1267/F, 1268/F, 1269/F, 1270/F, 1271/F, 1272/F, 1273/F, 1274/F, 1275/F, 1276/F, 1277/F, 1278/F, 1279/F, 1280/F, 1281/F, 1282/F, 1283/F, 1284/F, 1285/F, 1286/F, 1287/F, 1288/F, 1289/F, 1290/F, 1291/F, 1292/F, 1293/F, 1294/F, 1295/F, 1296/F, 1297/F, 1298/F, 1299/F, 1300/F, 1301/F, 1302/F, 1303/F, 1304/F, 1305/F, 1306/F, 1307/F, 1308/F, 1309/F, 1310/F, 1311/F, 1312/F, 1313/F, 1314/F, 1315/F, 1316/F, 1317/F, 1318/F, 1319/F, 1320/F, 1321/F, 1322/F, 1323/F, 1324/F, 1325/F, 1326/F, 1327/F, 1328/F, 1329/F, 1330/F, 1331/F, 1332/F, 1333/F, 1334/F, 1335/F, 1336/F, 1337/F, 1338/F, 1339/F, 1340/F, 1341/F, 1342/F, 1343/F, 1344/F, 1345/F, 1346/F, 1347/F, 1348/F, 1349/F, 1350/F, 1351/F, 1352/F, 1353/F, 1354/F, 1355/F, 1356/F, 1357/F, 1358/F, 1359/F, 1360/F, 1361/F, 1362/F, 1363/F, 1364/F, 1365/F, 1366/F, 1367/F, 1368/F, 1369/F, 1370/F, 1371/F, 1372/F, 1373/F, 1374/F, 1375/F, 1376/F, 1377/F, 1378/F, 1379/F, 1380/F, 1381/F, 1382/F, 1383/F, 1384/F, 1385/F, 1386/F, 1387/F, 1388/F, 1389/F, 1390/F, 1391/F, 1392/F, 1393/F, 1394/F, 1395/F, 1396/F, 1397/F, 1398/F, 1399/F, 1400/F, 1401/F, 1402/F, 1403/F, 1404/F, 1405/F, 1406/F, 1407/F, 1408/F, 1409/F, 1410/F, 1411/F, 1412/F, 1413/F, 1414/F, 1415/F, 1416/F, 1417/F, 1418/F, 1419/F, 1420/F, 1421/F, 1422/F, 1423/F, 1424/F, 1425/F, 1426/F, 1427/F, 1428/F, 1429/F, 1430/F, 1431/F, 1432/F, 1433/F, 1434/F, 1435/F, 1436/F, 1437/F, 1438/F, 1439/F, 1440/F, 1441/F, 1442/F, 1443/F, 1444/F, 1445/F, 1446/F, 1447/F, 1448/F, 1449/F, 1450/F, 1451/F, 1452/F, 1453/F, 1454/F, 1455/F, 1456/F, 1457/F, 1458/F, 1459/F, 1460/F, 1461/F, 1462/F, 1463/F, 1464/F, 1465/F, 1466/F, 1467/F, 1468/F, 1469/F, 1470/F, 1471/F, 1472/F, 1473/F, 1474/F, 1475/F, 1476/F, 1477/F, 1478/F, 1479/F, 1480/F, 1481/F, 1482/F, 1483/F, 1484/F, 1485/F, 1486/F, 1487/F, 1488/F, 1489/F, 1490/F, 1491/F, 1492/F, 1493/F, 1494/F, 1495/F, 1496/F, 1497/F, 1498/F, 1499/F, 1500/F, 1501/F, 1502/F, 1503/F, 1504/F, 1505/F, 1506/F, 1507/F, 1508/F, 1509/F, 1510/F, 1511/F, 1512/F, 1513/F, 1514/F, 1515/F, 1516/F, 1517/F, 1518/F, 1519/F, 1520/F, 1521/F, 1522/F, 1523/F, 1524/F, 1525/F, 1526/F, 1527/F, 1528/F, 1529/F, 1530/F, 1531/F, 1532/F, 1533/F, 1534/F, 1535/F, 1536/F, 1537/F, 1538/F, 1539/F, 1540/F, 1541/F, 1542/F, 1543/F, 1544/F, 1545/F, 1546/F, 1547/F, 1548/F, 1549/F, 1550/F, 1551/F, 1552/F, 1553/F, 1554/F, 1555/F, 1556/F, 1557/F, 1558/F, 1559/F, 1560/F, 1561/F, 1562/F, 1563/F, 1564/F, 1565/F, 1566/F, 1567/F, 1568/F, 1569/F, 1570/F, 1571/F, 1572/F, 1573/F, 1574/F, 1575/F, 1576/F, 1577/F, 1578/F, 1579/F, 1580/F, 1581/F, 1582/F, 1583/F, 1584/F, 1585/F, 1586/F, 1587/F, 1588/F, 1589/F, 1590/F, 1591/F, 1592/F, 1593/F, 1594/F, 1595/F, 1596/F, 1597/F, 1598/F, 1599/F, 1600/F, 1601/F, 1602/F, 1603/F, 1604/F, 1605/F, 1606/F, 1607/F, 1608/F, 1609/F, 1610/F, 1611/F, 1612/F, 1613/F, 1614/F, 1615/F, 1616/F, 1617/F, 1618/F, 1619/F, 1620/F, 1621/F, 1622/F, 1623/F, 1624/F, 1625/F, 1626/F, 1627/F, 1628/F, 1629/F, 1630/F, 1631/F, 1632/F, 1633/F, 1634/F, 1635/F, 1636/F, 1637/F, 1638/F, 1639/F, 1640/F, 1641/F, 1642/F, 1643/F, 1644/F, 1645/F, 1646/F, 1647/F, 1648/F, 1649/F, 1650/F, 1651/F, 1652/F, 1653/F, 1654/F, 1655/F, 1656/F, 1657/F, 1658/F, 1659/F, 1660/F, 1661/F, 1662/F, 1663/F, 1664/F, 1665/F, 1666/F, 1667/F, 1668/F, 1669/F, 1670/F, 1671/F, 1672/F, 1673/F, 1674/F, 1675/F, 1676/F, 1677/F, 1678/F, 1679/F, 1680/F, 1681/F, 1682/F, 1683/F, 1684/F, 1685/F, 1686/F, 1687/F, 1688/F, 1689/F, 1690/F, 1691/F, 1692/F, 1693/F, 1694/F, 1695/F, 1696/F, 1697/F, 1698/F, 1699/F, 1700/F, 1701/F, 1702/F, 1703/F, 1704/F, 1705/F, 1706/F, 1707/F, 1708/F, 1709/F, 1710/F, 1711/F, 1712/F, 1713/F, 1714/F, 1715/F, 1716/F, 1717/F, 1718/F, 1719/F, 1720/F, 1721/F, 172





# QUALITY MANAGE SYSTEM CERTIFICATE OF CONFORMITY

This is to certify that the Quality Manage System of

**Beijing Estek Electronics Co., Ltd.**

(ADD: Rm 6A07 Changyin office building NO.88 Yongding  
road Haidian district Beijing      Postcode: 100039)

has been found to conform to Quality Manage System Standard:

**GB/T19001-2000—ISO9001:2000**

This quality manage system covers following product(s):

**Sales and services of integrated circuits and semiconductors**

The No. of this certificate is: 2805Q10763R0S

Promulgate Date: Jul. 11. 2005

This certificate is valid until: Jul. 10. 2008

(From Jul. 12. 2006, application efficiency with maintaining registration/certification)

Beijing Zhong-An-Zhi-Huan Certification Center  
(Former 8 • 1 Certification Center of Quality System)

Center Director:

任庆才



CNAB028-Q

ACCREDITED BY MEMBER OF  
THE INTERNATIONAL  
ACCREDITATION FORUM AND  
PACIFIC ACCREDITATION  
COOPERATION MULTILATERAL  
RECOGNITION ARRANGEMENT  
FOR QUALITY MANAGEMENT  
SYSTEMS