



IRR PVC Insulated Wire  
AWG #24(7/32), Tinned Copper  
105°C, 300V, Black  
RoHS Compliant  
SS&C Part: #2144

Hex Plug Housing  
Stainless Steel  
.187"OD x 1.5"Tube x .016"WALL  
1/4"-18 Threads  
RoHS Compliant  
SS&C Part: #3172

NTC Epoxy Coated  
Curve "Z" Sensor  
10,000 ohms ± 0.88% at 25°C  
SS&C Part: #1840

| ATP CURVE Z        |          |
|--------------------|----------|
| TEMP COEF @ 25°C:  | -4.4%/°C |
| RES./RATIO: 0/50°C | 9.06     |
| BETA: 25/85°C      | 3976 ±50 |
| TEMPERATURE °C     | R1/R25   |
| -50                | 667500   |
| -40                | 335600   |
| -30                | 176700   |
| -20                | 96970    |
| -10                | 55300    |
| 0                  | 32650    |
| 10                 | 19900    |
| 20                 | 12490    |
| 25                 | 10000    |
| 30                 | 8056     |
| 40                 | 5325     |
| 50                 | 3601     |
| 60                 | 2487     |
| 70                 | 1752     |
| 80                 | 1256     |
| 85                 | 1071     |
| 90                 | 916      |
| 100                | 679      |
| 110                | 510      |
| 120                | 389      |
| 125                | 341      |



TITLE  
**SX Style Temperature Sensor**

| REVISION HISTORY |                 |           |        | DRAWN <b>BDG</b> |           | SIZE | DWG NO      |  | REV |
|------------------|-----------------|-----------|--------|------------------|-----------|------|-------------|--|-----|
| REV              | DESCRIPTION     | DATE      | APPROV |                  | 6/30/2009 | A    | A1004SX22P0 |  | A   |
| A                | Initial Drawing | 6/30/2009 | BDG    | APPROVED         | SCALE     |      |             |  |     |