

## NTC THERMISTOR R-T CHARACTERISTICS

TYPE MH18-6E203F[T,B]

|                    |         |                |     |
|--------------------|---------|----------------|-----|
| RESISTANCE(at25°C) | 20000 Ω | R-TOLERANCE(±) | 1 % |
| B-VALUE(25/50°C)   | 3965 K  | B-TOLERANCE(±) | 1 % |

| T(°C) | Rmin(Ω)    | Rnom(Ω)    | Rmax(Ω)    |
|-------|------------|------------|------------|
| -40   | 5.4400E+05 | 5.7025E+05 | 5.9771E+05 |
| -39   | 5.1166E+05 | 5.3596E+05 | 5.6136E+05 |
| -38   | 4.8147E+05 | 5.0398E+05 | 5.2748E+05 |
| -37   | 4.5328E+05 | 4.7412E+05 | 4.9588E+05 |
| -36   | 4.2693E+05 | 4.4625E+05 | 4.6640E+05 |
| -35   | 4.0230E+05 | 4.2021E+05 | 4.3887E+05 |
| -34   | 3.7926E+05 | 3.9587E+05 | 4.1316E+05 |
| -33   | 3.5769E+05 | 3.7310E+05 | 3.8913E+05 |
| -32   | 3.3749E+05 | 3.5179E+05 | 3.6665E+05 |
| -31   | 3.1857E+05 | 3.3184E+05 | 3.4562E+05 |
| -30   | 3.0083E+05 | 3.1315E+05 | 3.2594E+05 |
| -29   | 2.8404E+05 | 2.9547E+05 | 3.0734E+05 |
| -28   | 2.6833E+05 | 2.7895E+05 | 2.8995E+05 |
| -27   | 2.5362E+05 | 2.6348E+05 | 2.7370E+05 |
| -26   | 2.3984E+05 | 2.4900E+05 | 2.5849E+05 |
| -25   | 2.2691E+05 | 2.3543E+05 | 2.4424E+05 |
| -24   | 2.1478E+05 | 2.2270E+05 | 2.3089E+05 |
| -23   | 2.0340E+05 | 2.1076E+05 | 2.1837E+05 |
| -22   | 1.9270E+05 | 1.9955E+05 | 2.0662E+05 |
| -21   | 1.8264E+05 | 1.8901E+05 | 1.9559E+05 |
| -20   | 1.7318E+05 | 1.7911E+05 | 1.8523E+05 |
| -19   | 1.6442E+05 | 1.6995E+05 | 1.7565E+05 |
| -18   | 1.5613E+05 | 1.6128E+05 | 1.6659E+05 |
| -17   | 1.4828E+05 | 1.5308E+05 | 1.5802E+05 |
| -16   | 1.4084E+05 | 1.4531E+05 | 1.4991E+05 |
| -15   | 1.3379E+05 | 1.3796E+05 | 1.4224E+05 |
| -14   | 1.2711E+05 | 1.3099E+05 | 1.3498E+05 |
| -13   | 1.2079E+05 | 1.2440E+05 | 1.2811E+05 |
| -12   | 1.1479E+05 | 1.1816E+05 | 1.2161E+05 |
| -11   | 1.0911E+05 | 1.1224E+05 | 1.1546E+05 |
| -10   | 1.0373E+05 | 1.0664E+05 | 1.0963E+05 |
| -9    | 9.8657E+04 | 1.0137E+05 | 1.0416E+05 |
| -8    | 9.3841E+04 | 9.6371E+04 | 9.8959E+04 |
| -7    | 8.9267E+04 | 9.1622E+04 | 9.4029E+04 |
| -6    | 8.4922E+04 | 8.7114E+04 | 8.9353E+04 |
| -5    | 8.0796E+04 | 8.2836E+04 | 8.4918E+04 |
| -4    | 7.6879E+04 | 7.8776E+04 | 8.0712E+04 |
| -3    | 7.3159E+04 | 7.4924E+04 | 7.6723E+04 |
| -2    | 6.9628E+04 | 7.1269E+04 | 7.2941E+04 |
| -1    | 6.6276E+04 | 6.7801E+04 | 6.9355E+04 |
| 0     | 6.3094E+04 | 6.4512E+04 | 6.5955E+04 |
| 1     | 6.0041E+04 | 6.1358E+04 | 6.2697E+04 |
| 2     | 5.7155E+04 | 5.8377E+04 | 5.9620E+04 |
| 3     | 5.4424E+04 | 5.5559E+04 | 5.6713E+04 |
| 4     | 5.1840E+04 | 5.2894E+04 | 5.3964E+04 |
| 5     | 4.9393E+04 | 5.0372E+04 | 5.1364E+04 |
| 6     | 4.7076E+04 | 4.7984E+04 | 4.8904E+04 |
| 7     | 4.4880E+04 | 4.5723E+04 | 4.6576E+04 |
| 8     | 4.2799E+04 | 4.3580E+04 | 4.4371E+04 |
| 9     | 4.0825E+04 | 4.1550E+04 | 4.2283E+04 |
| 10    | 3.8953E+04 | 3.9624E+04 | 4.0304E+04 |

| T(°C) | Rmin(Ω)    | Rnom(Ω)    | Rmax(Ω)    |
|-------|------------|------------|------------|
| 10    | 3.8953E+04 | 3.9624E+04 | 4.0304E+04 |
| 11    | 3.7183E+04 | 3.7806E+04 | 3.8435E+04 |
| 12    | 3.5501E+04 | 3.6078E+04 | 3.6660E+04 |
| 13    | 3.3901E+04 | 3.4435E+04 | 3.4973E+04 |
| 14    | 3.2379E+04 | 3.2873E+04 | 3.3371E+04 |
| 15    | 3.0931E+04 | 3.1388E+04 | 3.1849E+04 |
| 16    | 2.9554E+04 | 2.9976E+04 | 3.0402E+04 |
| 17    | 2.8244E+04 | 2.8634E+04 | 2.9026E+04 |
| 18    | 2.6997E+04 | 2.7357E+04 | 2.7719E+04 |
| 19    | 2.5811E+04 | 2.6143E+04 | 2.6476E+04 |
| 20    | 2.4682E+04 | 2.4988E+04 | 2.5295E+04 |
| 21    | 2.3606E+04 | 2.3888E+04 | 2.4171E+04 |
| 22    | 2.2583E+04 | 2.2842E+04 | 2.3102E+04 |
| 23    | 2.1610E+04 | 2.1848E+04 | 2.2086E+04 |
| 24    | 2.0683E+04 | 2.0901E+04 | 2.1119E+04 |
| 25    | 1.9800E+04 | 2.0000E+04 | 2.0200E+04 |
| 26    | 1.8942E+04 | 1.9142E+04 | 1.9342E+04 |
| 27    | 1.8126E+04 | 1.8326E+04 | 1.8525E+04 |
| 28    | 1.7349E+04 | 1.7548E+04 | 1.7747E+04 |
| 29    | 1.6610E+04 | 1.6807E+04 | 1.7005E+04 |
| 30    | 1.5905E+04 | 1.6101E+04 | 1.6298E+04 |
| 31    | 1.5234E+04 | 1.5428E+04 | 1.5623E+04 |
| 32    | 1.4594E+04 | 1.4787E+04 | 1.4980E+04 |
| 33    | 1.3985E+04 | 1.4175E+04 | 1.4367E+04 |
| 34    | 1.3404E+04 | 1.3592E+04 | 1.3782E+04 |
| 35    | 1.2850E+04 | 1.3036E+04 | 1.3223E+04 |
| 36    | 1.2322E+04 | 1.2505E+04 | 1.2690E+04 |
| 37    | 1.1818E+04 | 1.1999E+04 | 1.2181E+04 |
| 38    | 1.1337E+04 | 1.1515E+04 | 1.1695E+04 |
| 39    | 1.0878E+04 | 1.1054E+04 | 1.1231E+04 |
| 40    | 1.0440E+04 | 1.0613E+04 | 1.0788E+04 |
| 41    | 1.0022E+04 | 1.0192E+04 | 1.0364E+04 |
| 42    | 9.6228E+03 | 9.7900E+03 | 9.9591E+03 |
| 43    | 9.2414E+03 | 9.4057E+03 | 9.5720E+03 |
| 44    | 8.8771E+03 | 9.0384E+03 | 9.2019E+03 |
| 45    | 8.5289E+03 | 8.6873E+03 | 8.8479E+03 |
| 46    | 8.1961E+03 | 8.3516E+03 | 8.5093E+03 |
| 47    | 7.8779E+03 | 8.0306E+03 | 8.1853E+03 |
| 48    | 7.5738E+03 | 7.7235E+03 | 7.8754E+03 |
| 49    | 7.2828E+03 | 7.4297E+03 | 7.5787E+03 |
| 50    | 7.0046E+03 | 7.1485E+03 | 7.2946E+03 |
| 51    | 6.7382E+03 | 6.8793E+03 | 7.0226E+03 |
| 52    | 6.4834E+03 | 6.6216E+03 | 6.7621E+03 |
| 53    | 6.2395E+03 | 6.3749E+03 | 6.5126E+03 |
| 54    | 6.0060E+03 | 6.1386E+03 | 6.2735E+03 |
| 55    | 5.7824E+03 | 5.9123E+03 | 6.0445E+03 |
| 56    | 5.5683E+03 | 5.6955E+03 | 5.8249E+03 |
| 57    | 5.3633E+03 | 5.4877E+03 | 5.6145E+03 |
| 58    | 5.1668E+03 | 5.2887E+03 | 5.4128E+03 |
| 59    | 4.9786E+03 | 5.0978E+03 | 5.2194E+03 |
| 60    | 4.7982E+03 | 4.9148E+03 | 5.0338E+03 |

