

## ERTJ0EP333G R-T Characteristics

(for reference)

$$R_{25} = 33 \text{ kohm } \pm 2\%$$

$$B_{25/50} = 4050 \text{ K } \pm 1\%$$

Temp. T(deg.C)	Resistance (kohm)			Temp. T(deg.C)	Resistance (kohm)			Temp. T(deg.C)	Resistance (kohm)		
	R min.	R cen.	R max.		R min.	R cen.	R max.		R min.	R cen.	R max.
-40	<b>1034</b>	<b>1092</b>	<b>1154</b>	<b>25</b>	<b>32.34</b>	<b>33.00</b>	<b>33.66</b>	<b>90</b>	<b>2.664</b>	<b>2.786</b>	<b>2.913</b>
-39	969.3	1024	1081	<b>26</b>	30.91	31.56	32.20	<b>91</b>	2.578	2.698	2.822
-38	909.4	959.7	1012	<b>27</b>	29.56	30.19	30.82	<b>92</b>	2.496	2.613	2.734
-37	853.5	900.2	949.1	<b>28</b>	28.27	28.88	29.50	<b>93</b>	2.417	2.531	2.649
-36	801.4	844.7	890.0	<b>29</b>	27.04	27.64	28.24	<b>94</b>	2.341	2.452	2.567
-35	<b>752.8</b>	<b>793.0</b>	<b>834.9</b>	<b>30</b>	<b>25.87</b>	<b>26.45</b>	<b>27.04</b>	<b>95</b>	<b>2.268</b>	<b>2.376</b>	<b>2.488</b>
-34	707.4	744.7	783.6	<b>31</b>	24.75	25.33	25.90	<b>96</b>	2.197	2.303	2.412
-33	665.0	699.7	735.8	<b>32</b>	23.69	24.25	24.81	<b>97</b>	2.129	2.232	2.339
-32	625.5	657.6	691.1	<b>33</b>	22.68	23.23	23.77	<b>98</b>	2.063	2.164	2.268
-31	588.5	618.3	649.5	<b>34</b>	21.72	22.25	22.78	<b>99</b>	2.000	2.098	2.200
-30	<b>553.9</b>	<b>581.6</b>	<b>610.5</b>	<b>35</b>	<b>20.80</b>	<b>21.32</b>	<b>21.84</b>	<b>100</b>	<b>1.939</b>	<b>2.035</b>	<b>2.134</b>
-29	521.5	547.3	574.2	<b>36</b>	19.93	20.43	20.94	<b>101</b>	1.880	1.974	2.071
-28	491.3	515.2	540.2	<b>37</b>	19.10	19.59	20.08	<b>102</b>	1.824	1.915	2.010
-27	462.9	485.2	508.4	<b>38</b>	18.30	18.78	19.26	<b>103</b>	1.769	1.858	1.951
-26	436.4	457.1	478.7	<b>39</b>	17.54	18.01	18.48	<b>104</b>	1.717	1.804	1.894
-25	<b>411.5</b>	<b>430.8</b>	<b>450.9</b>	<b>40</b>	<b>16.82</b>	<b>17.28</b>	<b>17.74</b>	<b>105</b>	<b>1.666</b>	<b>1.751</b>	<b>1.839</b>
-24	388.2	406.2	424.8	<b>41</b>	16.13	16.58	17.02	<b>106</b>	1.617	1.700	1.786
-23	366.3	383.1	400.4	<b>42</b>	15.48	15.91	16.34	<b>107</b>	1.570	1.651	1.735
-22	345.8	361.4	377.6	<b>43</b>	14.85	15.27	15.70	<b>108</b>	1.525	1.604	1.686
-21	326.6	341.1	356.2	<b>44</b>	14.25	14.66	15.08	<b>109</b>	1.481	1.558	1.638
-20	<b>308.6</b>	<b>322.1</b>	<b>336.1</b>	<b>45</b>	<b>13.68</b>	<b>14.08</b>	<b>14.48</b>	<b>110</b>	<b>1.438</b>	<b>1.514</b>	<b>1.592</b>
-19	291.6	304.2	317.3	<b>46</b>	13.13	13.52	13.92	<b>111</b>	1.397	1.471	1.548
-18	275.7	287.5	299.6	<b>47</b>	12.61	12.99	13.38	<b>112</b>	1.357	1.429	1.504
-17	260.7	271.7	283.0	<b>48</b>	12.12	12.49	12.86	<b>113</b>	1.319	1.389	1.463
-16	246.6	256.9	267.5	<b>49</b>	11.64	12.00	12.37	<b>114</b>	1.282	1.350	1.422
-15	<b>233.4</b>	<b>243.0</b>	<b>252.8</b>	<b>50</b>	<b>11.19</b>	<b>11.54</b>	<b>11.89</b>	<b>115</b>	<b>1.246</b>	<b>1.313</b>	<b>1.383</b>
-14	220.9	229.9	239.1	<b>51</b>	10.76	11.10	11.44	<b>116</b>	1.211	1.277	1.345
-13	209.2	217.6	226.1	<b>52</b>	10.34	10.67	11.01	<b>117</b>	1.177	1.241	1.308
-12	198.2	206.0	214.0	<b>53</b>	9.944	10.27	10.59	<b>118</b>	1.144	1.207	1.273
-11	187.8	195.1	202.5	<b>54</b>	9.565	9.878	10.20	<b>119</b>	1.113	1.174	1.238
-10	<b>178.0</b>	<b>184.8</b>	<b>191.7</b>	<b>55</b>	<b>9.202</b>	<b>9.507</b>	<b>9.819</b>	<b>120</b>	<b>1.082</b>	<b>1.142</b>	<b>1.204</b>
-9	168.8	175.1	181.6	<b>56</b>	8.854	9.152	9.455	<b>121</b>	1.052	1.110	1.172
-8	160.0	166.0	172.0	<b>57</b>	8.522	8.811	9.107	<b>122</b>	1.0230	1.080	1.140
-7	151.8	157.4	163.0	<b>58</b>	8.203	8.485	8.773	<b>123</b>	0.9949	1.051	1.109
-6	144.1	149.3	154.6	<b>59</b>	7.898	8.173	8.453	<b>124</b>	0.9676	1.022	1.080
-5	<b>136.8</b>	<b>141.6</b>	<b>146.6</b>	<b>60</b>	<b>7.606</b>	<b>7.873</b>	<b>8.147</b>	<b>125</b>	<b>0.9410</b>	<b>0.9945</b>	<b>1.050</b>
-4	129.9	134.4	139.0	<b>61</b>	7.326	7.586	7.853				
-3	123.3	127.6	131.9	<b>62</b>	7.058	7.311	7.571				
-2	117.2	121.1	125.2	<b>63</b>	6.800	7.047	7.300				
-1	111.4	115.1	118.8	<b>64</b>	6.554	6.794	7.040				
0	<b>105.8</b>	<b>109.3</b>	<b>112.8</b>	<b>65</b>	<b>6.317</b>	<b>6.551</b>	<b>6.791</b>				
1	100.6	103.9	107.2	<b>66</b>	6.090	6.318	6.552				
2	95.71	98.74	101.8	<b>67</b>	5.873	6.095	6.322				
3	91.04	93.88	96.76	<b>68</b>	5.664	5.880	6.102				
4	86.63	89.28	91.98	<b>69</b>	5.463	5.674	5.890				
5	<b>82.45</b>	<b>84.93</b>	<b>87.45</b>	<b>70</b>	<b>5.271</b>	<b>5.476</b>	<b>5.686</b>				
6	78.49	80.82	83.17	<b>71</b>	5.086	5.286	5.491				
7	74.74	76.92	79.12	<b>72</b>	4.908	5.103	5.303				
8	71.19	73.23	75.29	<b>73</b>	4.738	4.927	5.122				
9	67.83	69.73	71.66	<b>74</b>	4.574	4.759	4.949				
10	<b>64.64</b>	<b>66.42</b>	<b>68.22</b>	<b>75</b>	<b>4.417</b>	<b>4.596</b>	<b>4.782</b>				
11	61.61	63.28	64.97	<b>76</b>	4.265	4.441	4.621				
12	58.75	60.31	61.88	<b>77</b>	4.120	4.291	4.467				
13	56.02	57.49	58.96	<b>78</b>	3.980	4.147	4.318				
14	53.44	54.81	56.19	<b>79</b>	3.846	4.008	4.175				
15	<b>50.99</b>	<b>52.27</b>	<b>53.57</b>	<b>80</b>	<b>3.717</b>	<b>3.875</b>	<b>4.038</b>				
16	48.67	49.87	51.08	<b>81</b>	3.592	3.746	3.905				
17	46.46	47.58	48.71	<b>82</b>	3.473	3.623	3.778				
18	44.37	45.42	46.47	<b>83</b>	3.358	3.504	3.655				
19	42.38	43.36	44.35	<b>84</b>	3.247	3.389	3.537				
20	<b>40.48</b>	<b>41.40</b>	<b>42.33</b>	<b>85</b>	<b>3.140</b>	<b>3.279</b>	<b>3.423</b>				
21	38.69	39.55	40.41	<b>86</b>	3.038	3.173	3.313				
22	36.98	37.78	38.59	<b>87</b>	2.939	3.071	3.208				
23	35.35	36.11	36.86	<b>88</b>	2.844	2.972	3.106				
24	33.81	34.51	35.22	<b>89</b>	2.752	2.877	3.008				
25	<b>32.34</b>	<b>33.00</b>	<b>33.66</b>	<b>90</b>	<b>2.664</b>	<b>2.786</b>	<b>2.913</b>				