



Thick Film Chip Resistors, Military / Established Reliability MIL-PRF-55342 Qualified, Type RM


**HALOGEN
FREE**

FEATURES

- Fully conforms to the requirements of MIL-PRF-55342
- Established reliability - verified failure rate; M, P, R, U, S, V, and T levels
- Construction is sulfur impervious against a high sulfur environment (ASTM B 809-95 test method)
- 100 % group A screening per MIL-PRF-55342
- Termination style B - tin / lead wraparound over nickel barrier
- Operating temperature range is -65 °C to +150 °C
- For MIL-PRF-32159 zero ohm jumpers, see Vishay Dale's RCWPM Jumper (Military M32159) datasheet (www.vishay.com/doc?31028)
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

MATERIAL SPECIFICATIONS

Resistive element	Ruthenium oxide
Encapsulation	Epoxy
Substrate	96 % alumina
Termination	Solder-coated nickel barrier
Solder finish	Tin / lead solder alloy

STANDARD ELECTRICAL SPECIFICATIONS

VISHAY DALE MODEL	MIL-PRF-55342 STYLE	MIL SPEC. SHEET	TERM.	CASE SIZE	POWER RATING $P_{70^{\circ}\text{C}}$ W	MAX. WORKING VOLTAGE ⁽¹⁾ V	RESISTANCE RANGE Ω	TOLERANCE $\pm \%$	TEMPERATURE COEFFICIENT ⁽²⁾ $\pm \text{ppm}/^{\circ}\text{C}$
RCWPM-0502, RCWPM-0502-98	RM0502	01	B	0502	0.05	40	1 to 9.1	2, 5, 10	200, 300
							10 to 22M	1, 2, 5, 10	100, 200, 300
							10 to 10M	0.5	100, 200, 300
RCWPM-550, RCWPM-550-98	RM0505	02	B	0505	0.125	40	1 to 9.1	2, 5, 10	200, 300
							10 to 22M	1, 2, 5, 10	100, 200, 300
							10 to 10M	0.5	100, 200, 300
RCWPM-5100, RCWPM-5100-98	RM1005	03	B	1005	0.20	75	1 to 5.1	2, 5, 10	200, 300
							5.6 to 22M	1, 2, 5, 10	100, 200, 300
							5.62 to 10M	0.5	100, 200, 300
RCWPM-5150, RCWPM-5150-98	RM1505	04	B	1505	0.15	125	1 to 5.1	2, 5, 10	200, 300
							5.6 to 22M	1, 2, 5, 10	100, 200, 300
							5.62 to 10M	0.5	100, 200, 300
RCWPM-7225, RCWPM-7225-98	RM2208	05	B	2208	0.225	175	1 to 5.1	2, 5, 10	200, 300
							5.6 to 22M	1, 2, 5, 10	100, 200, 300
							5.62 to 10M	0.5	100, 200, 300
RCWPM-575, RCWPM-575-98	RM0705	06	B	0705 ⁽³⁾	0.15	50	1 to 5.1	2, 5, 10	200, 300
							5.6 to 22M	1, 2, 5, 10	100, 200, 300
							5.62 to 10M	0.5	100, 200, 300
RCWPM-1206, RCWPM-1206-98	RM1206	07	B	1206	0.25	100	1 to 5.1	2, 5, 10	200, 300
							5.6 to 22M	1, 2, 5, 10	100, 200, 300
							5.62 to 10M	0.5	100, 200, 300
RCWPM-2010, RCWPM-2010-98	RM2010	08	B	2010	0.80	150	1 to 5.1	2, 5, 10	200, 300
							5.6 to 22M	1, 2, 5, 10	100, 200, 300
							5.62 to 10M	0.5	100, 200, 300
RCWPM-2512, RCWPM-2512-98	RM2512	09	B	2512	1.0	200	1 to 5.1	2, 5, 10	200, 300
							5.6 to 22M	1, 2, 5, 10	100, 200, 300
							5.62 to 10M	0.5	100, 200, 300
RCWPM-1100, RCWPM-1100-98	RM1010	10	B	1010	0.50	75	1 to 5.1	2, 5, 10	200, 300
							5.6 to 22M	1, 2, 5, 10	100, 200, 300
							5.62 to 10M	0.5	100, 200, 300
RCWPM-0402, RCWPM-0402-98	RM0402	11	B	0402	0.05	30	1 to 9.1	2, 5, 10	200, 300
							10 to 22M	1, 2, 5, 10	100, 200, 300
							10 to 10M	0.5	100, 200, 300



STANDARD ELECTRICAL SPECIFICATIONS

VISHAY DALE MODEL	MIL-PRF-55342 STYLE	MIL SPEC. SHEET	TERM.	CASE SIZE	POWER RATING $P_{70^{\circ}\text{C}}$ W	MAX. WORKING VOLTAGE $V^{(1)}$	RESISTANCE RANGE Ω	TOLERANCE $\pm \%$	TEMPERATURE COEFFICIENT ⁽²⁾ $\pm \text{ppm}/^{\circ}\text{C}$
RCWPM-0603, RCWPM-0603-98	RM0603	12	B	0603	0.10	50	1 to 5.1	2, 5, 10	200, 300
							5.6 to 22M	1, 2, 5, 10	100, 200, 300
							5.62 to 10M	0.5	100, 200, 300
RCWPM-0302, RCWPM-0302-98	RM0302	13	B	0302	0.04	15	1 to 9.1	2, 5, 10	200, 300
							10 to 22M	1, 2, 5, 10	100, 200, 300
							10 to 10M	0.5	100, 200, 300

Notes

- DSCC has created a series of drawings to support the need for 0201-sized product. Vishay Dale is listed as a resource on this drawing as follows:

DSCC DRAWING NUMBER	VISHAY DALE MODEL	TERM.	POWER RATING $P_{70^{\circ}\text{C}}$ W	RES. RANGE Ω	RES. TOL. $\pm \%$	TEMP. COEF. $\pm \text{ppm}/^{\circ}\text{C}$	MAX. WORKING VOLTAGE ⁽¹⁾ V
07009	RCWP-0201	B	0.05	10 to 46.4 47 to 1M	1, 5	200 100	30

This drawing can be viewed at: www.landandmaritime.dla.mil/Programs/MilSpec/ListDwgs.aspx?DocTYPE=DSCCdwg

(1) Continuous working voltage shall be $\sqrt{P \times R}$ or maximum working voltage, whichever is less

(2) Characteristics: K = $\pm 100 \text{ ppm}/^{\circ}\text{C}$; L = $\pm 200 \text{ ppm}/^{\circ}\text{C}$; M = $\pm 300 \text{ ppm}/^{\circ}\text{C}$

(3) MIL case size 0705 and EIA case size 0805 are dimensionally the same

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: M55342M02B10E0RWB (preferred part number format)

MIL-STD-883C Method 2000, Test Condition 1, Test Level 1, Test Result 1, Test Result 2, Test Result 3, Test Result 4, Test Result 5, Test Result 6, Test Result 7, Test Result 8, Test Result 9, Test Result 10, Test Result 11, Test Result 12, Test Result 13, Test Result 14, Test Result 15, Test Result 16, Test Result 17, Test Result 18, Test Result 19, Test Result 20, Test Result 21, Test Result 22, Test Result 23, Test Result 24, Test Result 25, Test Result 26, Test Result 27, Test Result 28, Test Result 29, Test Result 30, Test Result 31, Test Result 32, Test Result 33, Test Result 34, Test Result 35, Test Result 36, Test Result 37, Test Result 38, Test Result 39, Test Result 40, Test Result 41, Test Result 42, Test Result 43, Test Result 44, Test Result 45, Test Result 46, Test Result 47, Test Result 48, Test Result 49, Test Result 50, Test Result 51, Test Result 52, Test Result 53, Test Result 54, Test Result 55, Test Result 56, Test Result 57, Test Result 58, Test Result 59, Test Result 60, Test Result 61, Test Result 62, Test Result 63, Test Result 64, Test Result 65, Test Result 66, Test Result 67, Test Result 68, Test Result 69, Test Result 70, Test Result 71, Test Result 72, Test Result 73, Test Result 74, Test Result 75, Test Result 76, Test Result 77, Test Result 78, Test Result 79, Test Result 80, Test Result 81, Test Result 82, Test Result 83, Test Result 84, Test Result 85, Test Result 86, Test Result 87, Test Result 88, Test Result 89, Test Result 90, Test Result 91, Test Result 92, Test Result 93, Test Result 94, Test Result 95, Test Result 96, Test Result 97, Test Result 98, Test Result 99, Test Result 100, Test Result 101, Test Result 102, Test Result 103, Test Result 104, Test Result 105, Test Result 106, Test Result 107, Test Result 108, Test Result 109, Test Result 110, Test Result 111, Test Result 112, Test Result 113, Test Result 114, Test Result 115, Test Result 116, Test Result 117, Test Result 118, Test Result 119, Test Result 120, Test Result 121, Test Result 122, Test Result 123, Test Result 124, Test Result 125, Test Result 126, Test Result 127, Test Result 128, Test Result 129, Test Result 130, Test Result 131, Test Result 132, Test Result 133, Test Result 134, Test Result 135, Test Result 136, Test Result 137, Test Result 138, Test Result 139, Test Result 140, Test Result 141, Test Result 142, Test Result 143, Test Result 144, Test Result 145, Test Result 146, Test Result 147, Test Result 148, Test Result 149, Test Result 150, Test Result 151, Test Result 152, Test Result 153, Test Result 154, Test Result 155, Test Result 156, Test Result 157, Test Result 158, Test Result 159, Test Result 160, Test Result 161, Test Result 162, Test Result 163, Test Result 164, Test Result 165, Test Result 166, Test Result 167, Test Result 168, Test Result 169, Test Result 170, Test Result 171, Test Result 172, Test Result 173, Test Result 174, Test Result 175, Test Result 176, Test Result 177, Test Result 178, Test Result 179, Test Result 180, Test Result 181, Test Result 182, Test Result 183, Test Result 184, Test Result 185, Test Result 186, Test Result 187, Test Result 188, Test Result 189, Test Result 190, Test Result 191, Test Result 192, Test Result 193, Test Result 194, Test Result 195, Test Result 196, Test Result 197, Test Result 198, Test Result 199, Test Result 200, Test Result 201, Test Result 202, Test Result 203, Test Result 204, Test Result 205, Test Result 206, Test Result 207, Test Result 208, Test Result 209, Test Result 210, Test Result 211, Test Result 212, Test Result 213, Test Result 214, Test Result 215, Test Result 216, Test Result 217, Test Result 218, Test Result 219, Test Result 220, Test Result 221, Test Result 222, Test Result 223, Test Result 224, Test Result 225, Test Result 226, Test Result 227, Test Result 228, Test Result 229, Test Result 230, Test Result 231, Test Result 232, Test Result 233, Test Result 234, Test Result 235, Test Result 236, Test Result 237, Test Result 238, Test Result 239, Test Result 240, Test Result 241, Test Result 242, Test Result 243, Test Result 244, Test Result 245, Test Result 246, Test Result 247, Test Result 248, Test Result 249, Test Result 250, Test Result 251, Test Result 252, Test Result 253, Test Result 254, Test Result 255, Test Result 256, Test Result 257, Test Result 258, Test Result 259, Test Result 260, Test Result 261, Test Result 262, Test Result 263, Test Result 264, Test Result 265, Test Result 266, Test Result 267, Test Result 268, Test Result 269, Test Result 270, Test Result 271, Test Result 272, Test Result 273, Test Result 274, Test Result 275, Test Result 276, Test Result 277, Test Result 278, Test Result 279, Test Result 280, Test Result 281, Test Result 282, Test Result 283, Test Result 284, Test Result 285, Test Result 286, Test Result 287, Test Result 288, Test Result 289, Test Result 290, Test Result 291, Test Result 292, Test Result 293, Test Result 294, Test Result 295, Test Result 296, Test Result 297, Test Result 298, Test Result 299, Test Result 300, Test Result 301, Test Result 302, Test Result 303, Test Result 304, Test Result 305, Test Result 306, Test Result 307, Test Result 308, Test Result 309, Test Result 310, Test Result 311, Test Result 312, Test Result 313, Test Result 314, Test Result 315, Test Result 316, Test Result 317, Test Result 318, Test Result 319, Test Result 320, Test Result 321, Test Result 322, Test Result 323, Test Result 324, Test Result 325, Test Result 326, Test Result 327, Test Result 328, Test Result 329, Test Result 330, Test Result 331, Test Result 332, Test Result 333, Test Result 334, Test Result 335, Test Result 336, Test Result 337, Test Result 338, Test Result 339, Test Result 340, Test Result 341, Test Result 342, Test Result 343, Test Result 344, Test Result 345, Test Result 346, Test Result 347, Test Result 348, Test Result 349, Test Result 350, Test Result 351, Test Result 352, Test Result 353, Test Result 354, Test Result 355, Test Result 356, Test Result 357, Test Result 358, Test Result 359, Test Result 360, Test Result 361, Test Result 362, Test Result 363, Test Result 364, Test Result 365, Test Result 366, Test Result 367, Test Result 368, Test Result 369, Test Result 370, Test Result 371, Test Result 372, Test Result 373, Test Result 374, Test Result 375, Test Result 376, Test Result 377, Test Result 378, Test Result 379, Test Result 380, Test Result 381, Test Result 382, Test Result 383, Test Result 384, Test Result 385, Test Result 386, Test Result 387, Test Result 388, Test Result 389, Test Result 390, Test Result 391, Test Result 392, Test Result 393, Test Result 394, Test Result 395, Test Result 396, Test Result 397, Test Result 398, Test Result 399, Test Result 400, Test Result 401, Test Result 402, Test Result 403, Test Result 404, Test Result 405, Test Result 406, Test Result 407, Test Result 408, Test Result 409, Test Result 410, Test Result 411, Test Result 412, Test Result 413, Test Result 414, Test Result 415, Test Result 416, Test Result 417, Test Result 418, Test Result 419, Test Result 420, Test Result 421, Test Result 422, Test Result 423, Test Result 424, Test Result 425, Test Result 426, Test Result 427, Test Result 428, Test Result 429, Test Result 430, Test Result 431, Test Result 432, Test Result 433, Test Result 434, Test Result 435, Test Result 436, Test Result 437, Test Result 438, Test Result 439, Test Result 440, Test Result 441, Test Result 442, Test Result 443, Test Result 444, Test Result 445, Test Result 446, Test Result 447, Test Result 448, Test Result 449, Test Result 450, Test Result 451, Test Result 452, Test Result 453, Test Result 454, Test Result 455, Test Result 456, Test Result 457, Test Result 458, Test Result 459, Test Result 460, Test Result 461, Test Result 462, Test Result 463, Test Result 464, Test Result 465, Test Result 466, Test Result 467, Test Result 468, Test Result 469, Test Result 470, Test Result 471, Test Result 472, Test Result 473, Test Result 474, Test Result 475, Test Result 476, Test Result 477, Test Result 478, Test Result 479, Test Result 480, Test Result 481, Test Result 482, Test Result 483, Test Result 484, Test Result 485, Test Result 486, Test Result 487, Test Result 488, Test Result 489, Test Result 490, Test Result 491, Test Result 492, Test Result 493, Test Result 494, Test Result 495, Test Result 496, Test Result 497, Test Result 498, Test Result 499, Test Result 500, Test Result 501, Test Result 502, Test Result 503, Test Result 504, Test Result 505, Test Result 506, Test Result 507, Test Result 508, Test Result 509, Test Result 510, Test Result 511, Test Result 512, Test Result 513, Test Result 514, Test Result 515, Test Result 516, Test Result 517, Test Result 518, Test Result 519, Test Result 520, Test Result 521, Test Result 522, Test Result 523, Test Result 524, Test Result 525, Test Result 526, Test Result 527, Test Result 528, Test Result 529, Test Result 530, Test Result 531, Test Result 532, Test Result 533, Test Result 534, Test Result 535, Test Result 536, Test Result 537, Test Result 538, Test Result 539, Test Result 540, Test Result 541, Test Result 542, Test Result 543, Test Result 544, Test Result 545, Test Result 546, Test Result 547, Test Result 548, Test Result 549, Test Result 550, Test Result 551, Test Result 552, Test Result 553, Test Result 554, Test Result 555, Test Result 556, Test Result 557, Test Result 558, Test Result 559, Test Result 560, Test Result 561, Test Result 562, Test Result 563, Test Result 564, Test Result 565, Test Result 566, Test Result 567, Test Result 568, Test Result 569, Test Result 570, Test Result 571, Test Result 572, Test Result 573, Test Result 574, Test Result 575, Test Result 576, Test Result 577, Test Result 578, Test Result 579, Test Result 580, Test Result 581, Test Result 582, Test Result 583, Test Result 584, Test Result 585, Test Result 586, Test Result 587, Test Result 588, Test Result 589, Test Result 590, Test Result 591, Test Result 592, Test Result 593, Test Result 594, Test Result 595, Test Result 596, Test Result 597, Test Result 598, Test Result 599, Test Result 600, Test Result 601, Test Result 602, Test Result 603, Test Result 604, Test Result 605, Test Result 606, Test Result 607, Test Result 608, Test Result 609, Test Result 610, Test Result 611, Test Result 612, Test Result 613, Test Result 614, Test Result 615, Test Result 616, Test Result 617, Test Result 618, Test Result 619, Test Result 620, Test Result 621, Test Result 622, Test Result 623, Test Result 624, Test Result 625, Test Result 626, Test Result 627, Test Result 628, Test Result 629, Test Result 630, Test Result 631, Test Result 632, Test Result 633, Test Result 634, Test Result 635, Test Result 636, Test Result 637, Test Result 638, Test Result 639, Test Result 640, Test Result 641, Test Result 642, Test Result 643, Test Result 644, Test Result 645, Test Result 646, Test Result 647, Test Result 648, Test 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Test Result 708, Test Result 709, Test Result 710, Test Result 711, Test Result 712, Test Result 713, Test Result 714, Test Result 715, Test Result 716, Test Result 717, Test Result 718, Test Result 719, Test Result 720, Test Result 721, Test Result 722, Test Result 723, Test Result 724, Test Result 725, Test Result 726, Test Result 727, Test Result 728, Test Result 729, Test Result 730, Test Result 731, Test Result 732, Test Result 733, Test Result 734, Test Result 735, Test Result 736, Test Result 737, Test Result 738, Test Result 739, Test Result 740, Test Result 741, Test Result 742, Test Result 743, Test Result 744, Test Result 745, Test Result 746, Test Result 747, Test Result 748, Test Result 749, Test Result 750, Test Result 751, Test Result 752, Test Result 753, Test Result 754, Test Result 755, Test Result 756, Test Result 757, Test Result 758, Test Result 759, Test Result 760, Test Result 761, Test Result 762, Test Result 763, Test Result 764, Test Result 765, Test Result 766, Test Result 767, Test Result 768, Test Result 769, Test Result 770, Test Result 771, Test Result 772, Test Result 773, Test Result 774, Test Result 775, Test Result 776, Test Result 777, Test Result 778, Test Result 779, Test Result 780, Test Result 781, Test Result 782, Test Result 783, Test Result 784, Test Result 785, Test Result 786, Test Result 787, Test Result 788, Test Result 789, Test Result 790, Test Result 791, Test Result 792, Test Result 793, Test Result 794, Test Result 795, Test Result 796, Test Result 797, Test Result 798, Test Result 799, Test Result 800, Test Result 801, Test Result 802, Test Result 803, Test Result 804, Test Result 805, Test Result 806, Test Result 807, Test Result 808, Test Result 809, Test Result 810, Test Result 811, Test Result 812, Test Result 813, Test Result 814, Test Result 815, Test Result 816, Test Result 817, Test Result 818, Test Result 819, Test Result 820, Test Result 821, Test Result 822, Test Result 823, Test Result 824, Test Result 825, Test Result 826, Test Result 827, Test Result 828, Test Result 829, Test Result 830, Test Result 831, Test Result 832, Test Result 833, Test Result 834, Test Result 835, Test Result 836, Test Result 837, Test Result 838, Test Result 839, Test Result 840, Test Result 841, Test Result 842, Test Result 843, Test Result 844, Test Result 845, Test Result 846, Test Result 847, Test Result 848, Test Result 849, Test Result 850, Test Result 851, Test Result 852, Test Result 853, Test Result 854, Test Result 855, Test Result 856, Test Result 857, Test Result 858, Test Result 859, Test Result 860, Test Result 861, Test Result 862, Test Result 863, Test Result 864, Test Result 865, Test Result 866, Test Result 867, Test Result 868, Test Result 869, Test Result 870, Test Result 871, Test Result 872, Test Result 873, Test Result 874, Test Result 875, Test Result 876, Test Result 877, Test Result 878, Test Result 879, Test Result 880, Test Result 881, Test Result 882, Test Result 883, Test Result 884, Test Result 885, Test Result 886, Test Result 887, Test Result 888, Test Result 889, Test Result 890, Test Result 891, Test Result 892, Test Result 893, Test Result 894, Test Result 895, Test Result 896, Test Result 897, Test Result 898, Test Result 899, Test Result 900, Test Result 901, Test Result 902, Test Result 903, Test Result 904, Test Result 905, Test Result 906, Test Result 907, Test Result 908, Test Result 909, Test Result 910, Test Result 911, Test Result 912, Test Result 913, Test Result 914, Test Result 915, Test Result 916, Test Result 917, Test Result 918, Test Result 919, Test Result 920, Test Result 921, Test Result 922, Test Result 923, Test Result 924, Test Result 925, Test Result 926, Test Result 927, Test Result 928, Test Result 929, Test Result 930, Test Result 931, Test Result 932, Test Result 933, Test Result 934, Test Result 935, Test Result 936, Test Result 937, Test Result 938, Test Result 939, Test Result 940, Test Result 941, Test Result 942, Test Result 943, Test Result 944, Test Result 945, Test Result 946, Test Result 947, Test Result 948, Test Result 949, Test Result 950, Test Result 951, Test Result 952, Test Result 953, Test Result 954, Test Result 955, Test Result 956, Test Result 957, Test Result 958, Test Result 959, Test Result 960, Test Result 961, Test Result 962, Test Result 963, Test Result 964, Test Result 965, Test Result 966, Test Result 967, Test Result 968, Test Result 969, Test Result 970, Test Result 971, Test Result 972, Test Result 973, Test Result 974, Test Result 975, Test Result 976, Test Result 977, Test Result 978, Test Result 979, Test Result 980, Test Result 981, Test Result 982, Test Result 983, Test Result 984, Test Result 985, Test Result 986, Test Result 987, Test Result 988, Test Result 989, Test Result 990, Test Result 991, Test Result 992, Test Result 993, Test Result 994, Test Result 995, Test Result 996, Test Result 997, Test Result 998, Test Result 999, Test Result 1000, Test Result 1001, Test Result 1002, Test Result 1003, Test Result 1004, Test Result 1005, Test Result 1006, Test Result 1007, Test Result 1008, Test Result 1009, Test Result 1010, Test Result 1011, Test Result 1012, Test Result 1013, Test Result 1014, Test Result 1015, Test Result 1016, Test Result 1017, Test Result 1018, Test Result 1019, Test Result 1020, Test Result 1021, Test Result 1022, Test Result 1023, Test Result 1024, Test Result 1025, Test Result 1026, Test Result 1027, Test Result 1028, Test Result 1029, Test Result 1030, Test Result 1031, Test Result 1032, Test Result 1033, Test Result 1034, Test Result 1035, Test Result 1036, Test Result 1037, Test Result 1038, Test Result 1039, Test Result 1040, Test Result 1041, Test Result 1042, Test Result 1043, Test Result 1044, Test Result 1045, Test Result 1046, Test Result 1047, Test Result 1048, Test Result 1049, Test Result 1050, Test Result 1051, Test Result 1052, Test Result 1053, Test Result 1054, Test Result 1055, Test Result 1056, Test Result 1057, Test Result 1058, Test Result 1059, Test Result 1060, Test Result 1061, Test Result 1062, Test Result 1063, Test Result 1064, Test Result 1065, Test Result 1066, Test Result 1067, Test Result 1068, Test Result 1069, Test Result 1070, Test Result 1071, Test Result 1072, Test Result 1073, Test Result 1074, Test Result 1075, Test Result 1076, Test Result 1077, Test Result 1078, Test Result 1079, Test Result 1080, Test Result 1081, Test Result 1082, Test Result 1083, Test Result 1084, Test Result 1085, Test Result 1086, Test Result 1087, Test Result 1088, Test Result 1089, Test Result 1090, Test Result 1091, Test Result 1092, Test Result 1093, Test Result 1094, Test Result 1095, Test Result 1096, Test Result 1097, Test Result 1098, Test Result 1099, Test Result 1100, Test Result 1101, Test Result 1102, Test Result 1103, Test Result 1104, Test Result 1105, Test Result 1106, Test Result 1107, Test Result 1108, Test Result 1109, Test Result 1110, Test Result 1111, Test Result 1112, Test Result 1113, Test Result 1114, Test Result 1115, Test Result 1116, Test Result 1117, Test Result 1118, Test Result 1119, Test Result 1120, Test Result 1121, Test Result 1122, Test Result 1123, Test Result 1124, Test Result 1125, Test Result 1126, Test Result 1127, Test Result 1128, Test Result 1129, Test Result 1130, Test Result 1131, Test Result 1132, Test Result 1133, Test Result 1134, Test Result 1135, Test Result 1136, Test Result 1137, Test Result 1138, Test Result 1139, Test Result 1140, Test Result 1141, Test Result 1142, Test Result 1143, Test Result 1144, Test Result 1145, Test Result 1146, Test Result 1147, Test Result 1148, Test Result 1149, Test Result 1150, Test Result 1151, Test Result 1152, Test Result 1153, Test Result 1154, Test Result 1155, Test Result 1156, Test Result 1157, Test Result 1158, Test Result 1159, Test Result 1160, Test Result 1161, Test Result 1162, Test Result 1163, Test Result 1164, Test Result 1165, Test Result 1166, Test Result 1167, Test Result 1168, Test Result 1169, Test Result 1170, Test Result 1171, Test Result 1172, Test Result 1173, Test Result 1174, Test Result 1175, Test Result 1176, Test Result 1177, Test Result 1178, Test Result 1179, Test Result 1180, Test Result 1181, Test Result 1182, Test Result 1183, Test Result 1184, Test Result 1185, Test Result 1186, Test Result 1187, Test Result 1188, Test Result 1189, Test Result 1190, Test Result 1191, Test Result 1192, Test Result 1193, Test Result 1194, Test Result 1195, Test Result 1196, Test Result 1197, Test Result 1198, Test Result 1199, Test Result 1200, Test Result 1201, Test Result 1202, Test Result 1203, Test Result 1204, Test Result 1205, Test Result 1206, Test Result 1207, Test Result 1208, Test Result 1209, Test Result 1210, Test Result 1211, Test Result 1212, Test Result 1213, Test Result 1214, Test Result 1215, Test Result 1216, Test Result 1217, Test Result 1218, Test Result 1219, Test Result 1220, Test Result 1221, Test Result 1222, Test 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Historical Part Numbering: M55342M02B10E0R (will continue to be accepted)

M55342	M	02	B	10E0	R	WB
MIL STYLE	CHARACTERISTICS	SPEC. SHEET	TERMINATION STYLE	VALUE AND TOLERANCE	FAILURE RATE	PACKAGING CODE

Notes

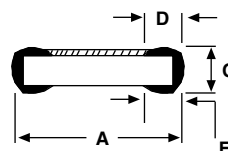
- For additional information on packaging, refer to the Surface Mount Resistor Packaging document (www.vishay.com/doc?31543)
- (1) Products with space level failure rates are only offered in packaging codes with ESD overpack and labeling. For all other failure rates, the ESD pack codes are an optional type of packaging
- (2) Failure rates U and V require group A and B inspection ran on each production lot
- (3) Add a "D" after the packaging code at the end of the global part number to specify Vishay Dale Thick Film product with a tolerance of 0.5 %
- (4) MIL spec option 1, 2, and 3 part marking is not offered for the slash sheet 01, 02, 11, and 13 sizes

RESISTANCE TOLERANCE AND MULTIPLIERS

TOLERANCE					MULTIPLIER	VALUE RANGE (Ω)
$\pm 0.5\%$	$\pm 1\%$	$\pm 2\%$	$\pm 5\%$	$\pm 10\%$		
W	D	G	J	M	1	1 to 9xx
Y	E	H	K	N	1000	1K to 9xxK
Z	F	T	L	P	1 000 000	1M to 22M

Examples:

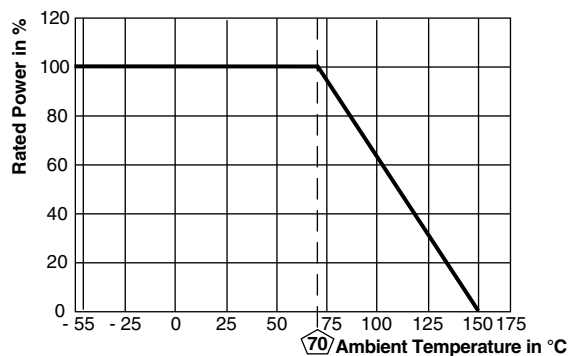
38W8 = $38.8\ \Omega \pm 0.5\%$	11D3 = $11.3\ \Omega \pm 1\%$	15J0 = $15\ \Omega \pm 5\%$
10Y0 = $10\ k\Omega \pm 0.5\%$	10E0 = $10\ k\Omega \pm 1\%$	10K0 = $10\ k\Omega \pm 5\%$
988W = $988\ \Omega \pm 0.5\%$	332D = $332\ \Omega \pm 1\%$	560K = $560\ k\Omega \pm 5\%$
2Z13 = $2.13\ M\Omega \pm 0.5\%$	2F21 = $2.21\ M\Omega \pm 1\%$	8L20 = $8.2\ M\Omega \pm 5\%$
	51G0 = $51\ \Omega \pm 2\%$	10M0 = $10\ \Omega \pm 10\%$
	10H0 = $10\ k\Omega \pm 2\%$	10N0 = $10\ k\Omega \pm 10\%$
	33H0 = $33\ k\Omega \pm 2\%$	2P70 = $2.7\ M\Omega \pm 10\%$
	22T0 = $22\ M\Omega \pm 2\%$	8P20 = $8.2\ M\Omega \pm 10\%$

DIMENSIONS in inches (millimeters)


VISHAY DALE MODEL	MIL-PRF-55342 STYLE	MIL SPEC. SHEET	A (LENGTH)	B (WIDTH)	C (HEIGHT)	D (TOP TERM)	E (BOTTOM TERM)
RCWPM-0502	RM0502	01	0.055 ± 0.005 (1.40 \pm 0.13)	0.023 ± 0.003 (0.58 \pm 0.08)	0.015 ± 0.003 (0.38 \pm 0.08)	0.010 ± 0.005 (0.25 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)
RCWPM-550	RM0505	02	0.055 ± 0.005 (1.40 \pm 0.13)	0.050 ± 0.005 (1.27 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.010 ± 0.005 (0.25 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)
RCWPM-5100	RM1005	03	0.105 ± 0.005 (2.67 \pm 0.13)	0.050 ± 0.005 (1.27 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)
RCWPM-5150	RM1505	04	0.155 ± 0.005 (3.94 \pm 0.13)	0.050 ± 0.005 (1.27 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)
RCWPM-7225	RM2208	05	0.230 ± 0.005 (5.84 \pm 0.13)	0.075 ± 0.005 (1.91 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)
RCWPM-575	RM0705	06	0.080 ± 0.005 (2.03 \pm 0.13)	0.050 ± 0.005 (1.27 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.016 ± 0.008 (0.41 \pm 0.20)	0.015 ± 0.005 (0.38 \pm 0.13)
RCWPM-1206	RM1206	07	0.125 ± 0.005 (3.18 \pm 0.13)	0.063 ± 0.005 (1.60 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)
RCWPM-2010	RM2010	08	0.197 ± 0.006 (5.00 \pm 0.15)	0.098 ± 0.005 (2.49 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)
RCWPM-2512	RM2512	09	0.250 ± 0.005 (6.35 \pm 0.13)	0.124 ± 0.005 (3.15 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)
RCWPM-1100	RM1010	10	0.105 ± 0.005 (2.67 \pm 0.13)	0.100 ± 0.005 (2.54 \pm 0.13)	0.020 ± 0.005 (0.51 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)
RCWPM-0402	RM0402	11	0.039 ± 0.003 (0.99 \pm 0.08)	0.020 ± 0.003 (0.51 \pm 0.08)	0.013 ± 0.003 (0.33 \pm 0.08)	0.010 ± 0.005 (0.25 \pm 0.13)	0.010 ± 0.005 (0.25 \pm 0.13)
RCWPM-0603	RM0603	12	0.063 ± 0.005 (1.60 \pm 0.13)	0.032 ± 0.005 (0.81 \pm 0.13)	0.018 ± 0.005 (0.46 \pm 0.13)	0.012 ± 0.005 (0.30 \pm 0.13)	0.015 ± 0.005 (0.38 \pm 0.13)
RCWPM-0302	RM0302	13	0.034 ± 0.004 (0.86 \pm 0.10)	0.021 ± 0.003 (0.53 \pm 0.08)	0.013 ± 0.003 (0.33 \pm 0.08)	0.007 ± 0.005 (0.18 \pm 0.13)	0.008 ± 0.005 (0.20 \pm 0.13)
RCWP-0201			0.024 ± 0.002 (0.61 \pm 0.05)	0.012 ± 0.002 (0.30 \pm 0.05)	0.009 ± 0.002 (0.23 \pm 0.05)	0.006 ± 0.003 (0.15 \pm 0.08)	$0.006 \pm 0.002 - 0.004$ (0.15 \pm 0.05 - 0.10)



DERATING CURVE



CAGE CODE: 91637 and 2799A (formerly SH903)



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