

Specifications for Surface Mount and Through-Hole/Radial Resistors

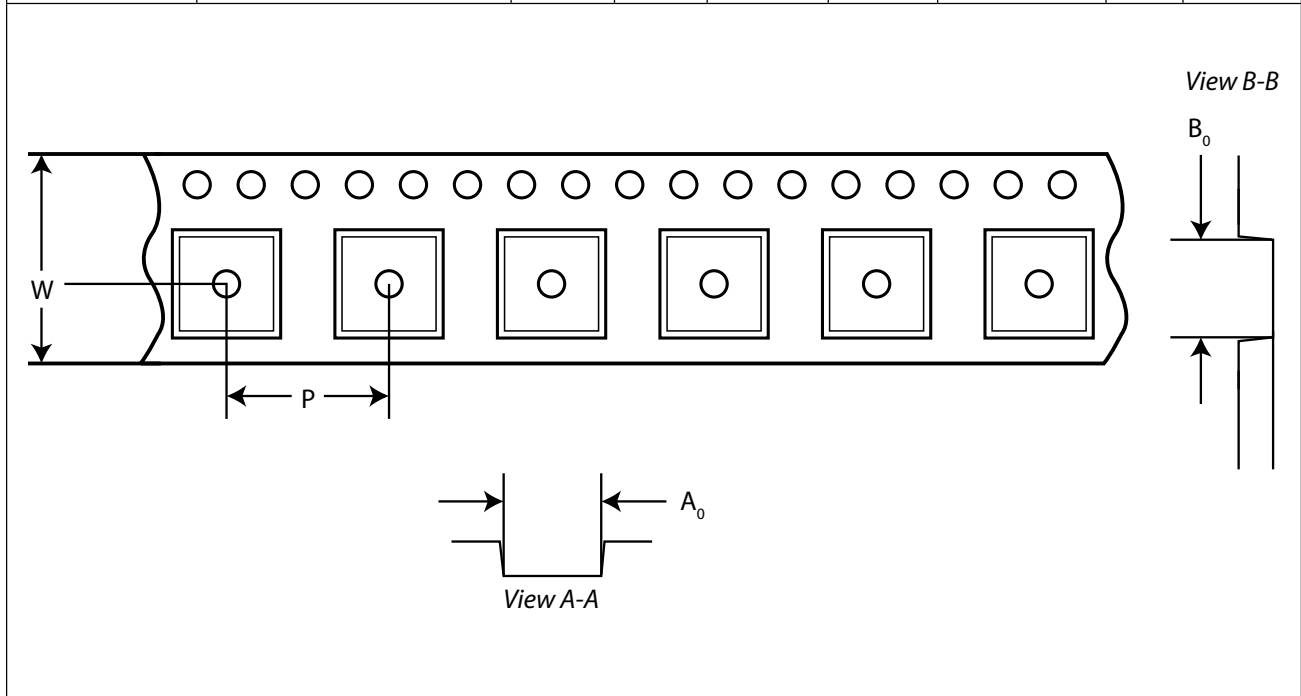
Surface Mount ⁽¹⁾								
RESISTOR TYPE (MODEL)	RESISTOR DIMENSIONS INCHES (mm)	TAPE SIZE (W)	CAVITY SIZE mm		CAVITY PITCH (P)	MIN. LEADER LENGTH	MAX. QTY / REEL	
			A ₀	B ₀			7 in	13 in
SMR1D	0.236(5.99) X 0.126(3.20)	12mm	3.53	6.32	8mm	400mm	500	3000
SMR1DZ	0.236(5.99) X 0.126(3.20)	12mm	3.53	6.32	8mm	400mm	500	3000
SMR3D	0.287(7.29) X 0.17(4.32)	16mm	4.75	7.70	8mm	400mm	500	2500
SMR3DZ	0.287(7.29) X 0.17(4.32)	16mm	4.75	7.70	8mm	400mm	500	2500
SMN	0.157(3.99) X 0.197(5.00)	12mm	6.7	5.4	8mm	400mm	500	2500
SMNZ	0.157(3.99) X 0.197(5.00)	12mm	6.7	5.4	8mm	400mm	500	2500
VSMPO603 ⁽²⁾	0.063(1.60) X 0.032(0.18)	8mm	1.12	1.85	4mm	400mm	3500	N/A
VSM0805 ⁽²⁾	0.080 (2.03) X 0.050 (1.27)	8mm	1.52	2.28	4mm	400mm	3500	N/A
VSMPO805 ⁽²⁾	0.080 (2.03) X 0.050 (1.27)	8mm	1.52	2.28	4mm	400mm	3500	N/A
VSM1206 ⁽²⁾	0.126 (3.20) X 0.062 (1.57)	8mm	1.9	3.5	4mm	400mm	3500	N/A
VSM1206 ⁽²⁾	0.126 (3.20) X 0.062 (1.57)	8mm	1.9	3.5	4mm	400mm	3500	N/A
VSM1506 ⁽²⁾	0.150 (3.81) X 0.062 (1.57)	12mm	2	4.1	4mm	400mm	4000	10000
VSM1506 ⁽²⁾	0.150 (3.81) X 0.062 (1.57)	12mm	2	4.1	4mm	400mm	4000	10000
VSM2010 ⁽²⁾	0.198 (5.03) X 0.097 (2.46)	12mm	2.79	5.48/5.38	4mm	400mm	2000	8000
VSM2010 ⁽²⁾	0.198 (5.03) X 0.097 (2.46)	12mm	2.79	5.48/5.38	4mm	400mm	2000	8000
VSM2018 ⁽²⁾	0.204(5.18) X 0.184(4.67)	12mm	5.15	5.6	8mm	400mm	2000	8000
VSM2018 ⁽²⁾	0.204(5.18) X 0.184(4.67)	12mm	5.15	5.6	8mm	400mm	2000	8000
VSM2512 ⁽²⁾	0.249 (6.32) X 0.127 (3.23)	12mm	3.43	6.63	8mm	400mm	1500	8000
VSM2512 ⁽²⁾	0.249 (6.32) X 0.127 (3.23)	12mm	3.43	6.63	8mm	400mm	1500	8000
VCS1625	0.25(6.35) X 0.160(4.06)	12mm	4.93	6.86	8mm	400mm	1000	3000
VCS1625Z	0.25(6.35) X 0.160(4.06)	12mm	4.93	6.86	8mm	400mm	1000	3000
VCS1625ZP	0.25(6.35) X 0.160(4.06)	12mm	4.93	6.86	8mm	400mm	1000	3000
VCS 1610	0.160(4.06) X 0.1(2.54)	12mm	3	4.5	8mm	400mm	1000	N/A
VFC0805	0.079(2.01) X 0.049 (1.24)	8mm	1.52	2.28	4mm	400mm	3500	N/A
VFCP0805	0.079(2.01) X 0.049 (1.24)	8mm	1.52	2.28	4mm	400mm	3500	N/A
VFCP1206	0.126 (3.20) X 0.062 (1.57)	8mm	1.9	3.5	4mm	400mm	3500	N/A
VFCP1506	0.150 (3.81) X 0.062 (1.57)	12mm	2	4.1	4mm	400mm	4000	10000
VFCD1505	0.150(3.81) X 0.050(1.27)	12mm	1.45	4	4mm	400mm	4000	10000
VFCP2010	0.200 (5.08) X 0.100 (2.54)	12mm	2.79	5.48/5.38	4mm	400mm	2000	8000

Notes

⁽¹⁾ Generally conform to EIA-481

⁽²⁾ Also applicable for FRSG, FRSH, FRST, FRSM, 303261-266 and 303133-138 according to relevant size

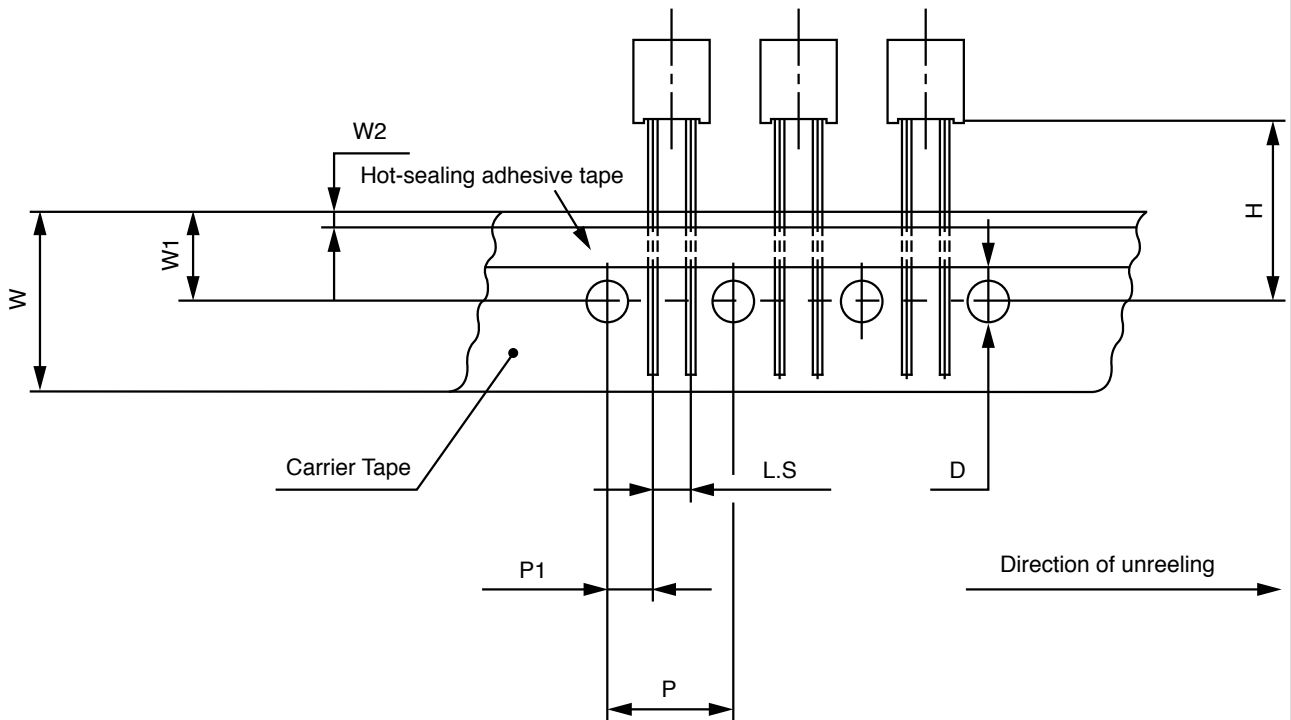
Surface Mount ⁽¹⁾								
RESISTOR TYPE (MODEL)	RESISTOR DIMENSIONS INCHES (mm)	TAPE SIZE (W)	CAVITY SIZE mm		CAVITY PITCH (P)	MIN. LEADER LENGTH	MAX. QTY / REEL	
			A ₀	B ₀			7 in	13 in
VFCP2512	0.250 (6.35) X 0.126 (3.20)	12mm	3.43	6.63	8mm	400mm	1500	8000
CSM2512S	0.250 (6.350) X 0.125 (3.175)	12mm	3.43	6.63	8mm	400mm	1500	8000
CSM2512F	0.270 (6.86) X 0.126 (3.20)	16mm	3.60	7.50	8mm	400mm	500	1000
CSM3637	0.360 (9.144) X 0.370 (9.398)	16mm	9.6	9.9	12mm	400mm	1000	2000
CSM3637F	0.365 (9.271) X 0.375 (9.525)	16mm	10	10.2	16mm	400mm	500	1000
DSM	0.160 (4.06) X 0.106 (2.69)	12mm	3.2	4.3	8mm	400mm	1000	2500
DSMZ	0.160 (4.06) X 0.106 (2.69)	12mm	3.2	4.3	8mm	400mm	1000	2500
VPR220S/221S	0.9 (22.86) X 0.4 (10.16)	44mm	10.87	23.44	16mm	400mm	N/A	700



Notes

⁽¹⁾ Generally conform to EIA-481

Through Hole – Radial Resistors ⁽¹⁾	
Parameter	Value or Unit
Resistor type (model)	RNC90 / VSR / S102
Nominal dimensions inches (mm)	H: 0.326 (8.28), L: 0.3 (7.62) LL: 1.0 (25.4)
Min. leader length	600mm
Maximum quantity per reel	500 units
Maximum permissible outside diameter of fully packed reel	360 mm
Dimension	Size (mm)
W	18 ⁺¹ _{-0.5}
W1	9 ^{+0.75} _{-0.5}
W2	3 max
H	18 ⁻² ₀
D	Ø4 ^{±0.2}
P	12.7 ^{+0.3}
P1	4.45 ^{+0.5} _{-0.2} for F (L.S) 0.150 inch
	3.81 ^{+0.5} _{-0.2} for F (L.S) 0.200 inch



Notes

⁽¹⁾ Generally according to CEI 286-2 & DIN IEC 60286/2 Standards