

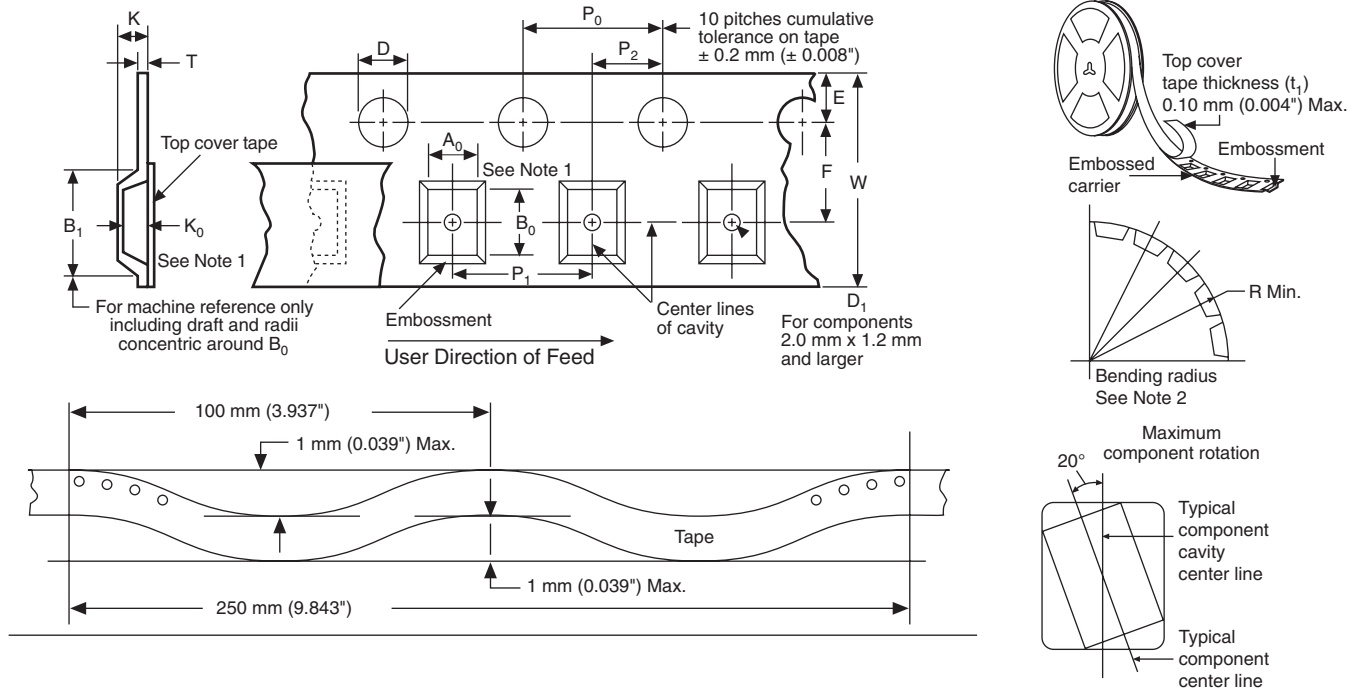
8 mm, 12 mm, 16 mm and 24 mm Embossed Conductive Tape Conforming to EIA-481

Note

- Chip resistor quantities less than 1000 pieces are typically packaged in bulk or waffle packs unless specified at time of order entry.

8, 12, 16 AND 24 mm EMBOSSED TAPE DIMENSIONS

DIAGRAMS



8, 12, 16 AND 24 MM EMBOSSED TAPE DIMENSIONS in millimeters (inches)

Constant Dimensions

TAPE SIZE	D	E	P ₀	T (max.)	A ₀ B ₀ K ₀	P ₂
8, 12	1.50 + 0.10/- 0.00	1.75 ± 0.10	4.00 ± 0.10	0.40	See note 1	2.00 ± 0.05

TAPE SIZE	B ₁ (max.)	D ₁ (min.)	F	P ₁	R (min.) see note 2	K	W	A ₀ B ₀ K ₀
8 mm 1/2 Pitch	4.55 (0.179) see requirements	1.00 (0.039)	3.50 ± 0.10 (0.138 ± 0.004)	2.0 ± 0.10 (0.079 ± 0.004) see requirements	25 (0.984)	2.50 max. (0.098)	8.00 (0.315)	See note 1
8 mm								
12 mm	8.20 (0.323)	1.50 (0.059)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	30 (1.181)	6.50 max. (0.256) see requirements	12.00 ± 0.30 (0.472 ± 0.012)	
12 mm Double Pitch				8.00 ± 0.10 (0.315 ± 0.004)				
16 mm	12.10 (0.476)	1.50 (0.059)	7.50 ± 0.10 (0.295 ± 0.004)	4.00 ± 0.10 (0.157 ± 0.004) 8.00 ± 0.10 (0.315 ± 0.004) 12.00 ± 0.10 (0.472 ± 0.004)	30 (1.181)	8.00 (0.315)	16.30 (0.642)	
24 mm			11.50 ± 0.10 (0.453 ± 0.004)	4.00 ± 0.10 (0.157 ± 0.004) to 20.00 ± 0.10 (0.787 ± 0.004) in 4.00 (0.157) increments				12.00 (0.472)

Notes

- (1) A₀ B₀ K₀ are determined by component size. The clearance between the component and the cavity must be within 0.05 mm (0.002") min., to 0.50 mm (0.020") max. for 8 mm tape, and 0.05 mm (0.002") min. to 0.65 mm (0.026") max. for 12 mm tape. The component cannot rotate more than 20° within the determined cavity, see above diagram.
- (2) Tape and components shall pass around radius "R" without damage

Tape and Reel Specifications



Vishay Thin Film 8 mm, 12 mm, 16 mm and 24 mm Embossed
Conductive Tape Conforming to EIA-481

VISHAY THIN FILM (NIAGARA FALLS) STANDARD TAPE AND REEL SPECIFICATIONS						
CASE SIZE OR STYLE	SIZE	TAPE SIZE	MAX. QTY./REEL	LEADER LENGTH (MIN.)	CAVITY SIZE	REEL SIZE
0402	40 x 20	8 mm	5000	18"	0.045 x 0.024	7"
0502	50 x 25	8 mm	5000	18"	0.061 x 0.035	7"
0603	63 x 32	8 mm	5000	18"	0.075 x 0.045	7"
0504	50 x 40	8 mm	5000	18"	0.052 x 0.054	7"
0505	50 x 50	8 mm	5000	18"	0.052 x 0.054	7"
0705	75 x 50	8 mm	5000	18"	0.060 x 0.080	7"
1002	100 x 25	N/A	N/A	N/A	N/A	N/A
1005	100 x 50	8 mm	4000 ⁽¹⁾	18"	0.058 x 0.112	7"
1010	100 x 100	8 mm	4000	18"	0.110 x 0.114	7"
1020	100 x 200	12 mm	3000	18"	0.110 x 0.220	13"
1206	126 x 63	8 mm	4000	18"	0.075 x 0.139	7"
1505	150 x 50	12 mm	4000	18"	0.089 x 0.168	7"
2010	200 x 100	12 mm	2000	18"	0.111 x 0.220	7"
2208	225 x 75	12 mm	2000	18"	0.085 x 0.243	7"
2512	250 x 125	12 mm	2000	18"	0.140 x 0.290	7"
STYLE	TYPE					
DFN	8 PAD 4 mm SQ.	12 mm	3000	18"	0.172 x 0.172	13"
ORN	8 PIN SOIC	12 mm	3000	18"	0.254 x 0.202	13"
TOMC	16 PIN SOIC	24 mm	2000	18"	0.323 x 0.457	13"
MP	SC70	8 mm	4000	18"	0.095 x 0.095	7"
MPM	SOT-23	8 mm	4000	18"	0.122 x 0.106	7"
MPD	SOT-143	8 mm	4000	18"	0.122 x 0.106	7"
MPH	4 PIN LCC	12 mm	2500	18"	0.165 x 0.230	13"
TLCC/LCC	16 PIN LCC	16 mm	2000	18"	0.330 x 0.327	13"
TLCC/LCC	20 PIN LCC	16 mm	2000	18"	0.408 x 0.405	13"
WOMC	16/18/20 PIN SOIC	24 mm	1000	18"	0.431 x 0.524	13"
NOMC	14 PIN SOIC	16 mm	2500	18"	0.258 x 0.351	13"
NOMC	16 PIN SOIC	16 mm	2500	18"	0.256 x 0.404	13"
OSOP	20 PIN SSOP	16 mm	2500	18"	0.258 x 0.315	13"
SILNET STYLE	TYPE					
VSOR	16 PIN SOIC	12 mm	2500	18"	0.252 x 0.205	13"
VSORC	20 PIN SOIC	24 mm	1000	18"	0.429 x 0.524	13"
VSOR2000S1	20 PIN SOIC	24 mm	1000	18"	0.429 x 0.524	13"
VSSR	16 PIN QSOP	12 mm	2500	18"	0.252 x 0.205	13"
	20 PIN QSOP	16 mm	2500	18"	0.256 x 0.374	13"
	24 PIN QSOP	16 mm	2500	18"	0.256 x 0.374	13"
VSSRC	20 PIN QSOP	16 mm	2500	18"	0.256 x 0.374	13"
VTSR	16 PIN TSSOP	24 mm	2500	18"	0.252 x 0.205	13"
	20 PIN TSSOP	24 mm	2500	18"	0.256 x 0.374	13"
	24 PIN TSSOP	24 mm	2500	18"	0.256 x 0.374	13"
VTSRC	20 PIN TSSOP	24 mm	2500	18"	0.256 x 0.374	13"

Note

(1) M-1005 series 5000 pieces max. per reel