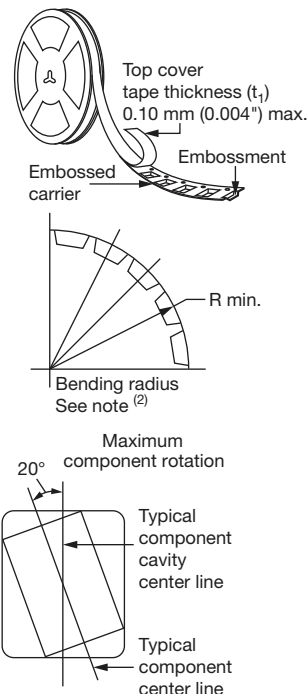
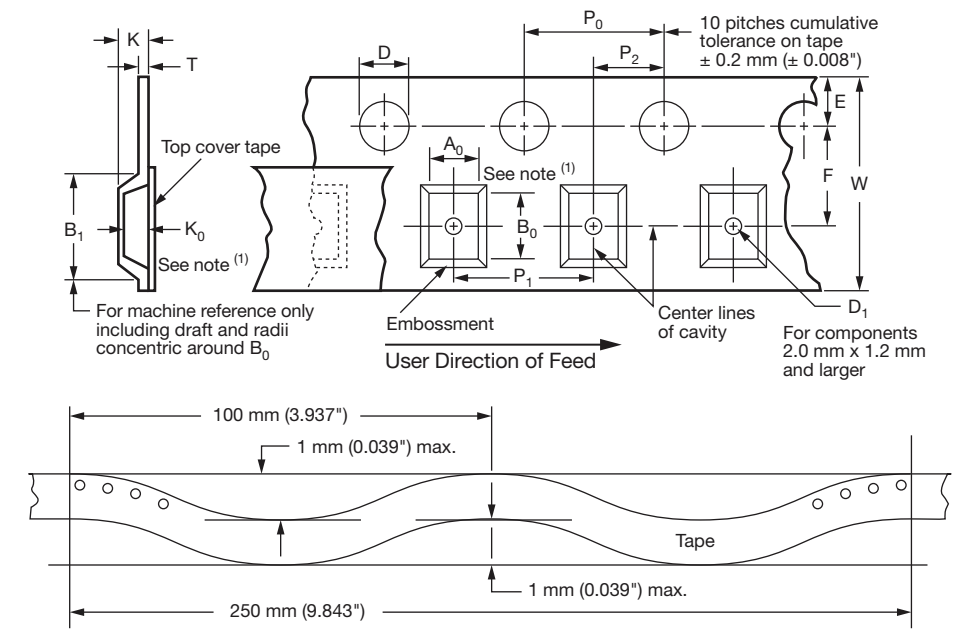




8 mm, 12 mm, 16 mm, and 24 mm Embossed Conductive Tape Conforming to EIA-481

Note

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

8 mm, 12 mm, 16 mm, AND 24 mm EMBOSSED TAPE DIMENSIONS**DIAGRAM****8 mm, 12 mm, 16 mm, 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 8 mm	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)
12 mm 12 mm double pitch	8.20 (0.323)	1.50 (0.059)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004) 8.00 ± 0.10 (0.315 ± 0.004)	30 (1.181)	6.50 max. (0.256) see requirements	12.00 ± 0.30 (0.472 ± 0.012)	
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)	See note (1)
24 mm	20.10 (0.791)		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)	24.30 (0.957)	

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



VISHAY THIN FILM (NIAGARA FALLS) STANDARD TAPE AND REEL SPECIFICATIONS

SMD CHIPS					
CASE SIZE OR STYLE	SIZE (mils)	TAPE SIZE (mm)	MAX. QUANTITY/REEL	LEADER LENGTH (MIN.) (mm)	REEL SIZE (INCHES)
0402	40 x 20	8	5000	400	7
0502	50 x 25	8	5000	400	7
THJP0603	61 x 33	8	3000	400	7
0603	63 x 32	8	5000	400	7
0504	50 x 40	8	5000	400	7
0505	50 x 50	8	5000	400	7
0508 ⁽¹⁾	50 x 75	8	5000	400	7
0612 ⁽²⁾	63 x 126	8	4000	400	7
THJP0612	63 x 126	8	3000	400	7
0705 / 0805	75 x 50	8	5000	400	7
THJP0805	79 x 47	8	3000	400	7
1005	100 x 50	8	4000 ⁽⁴⁾	400	7
1010	100 x 100	8	4000	400	7
1020	100 x 200	12	3000	400	13
1206	126 x 63	8	4000	400	7
THJP1206	126 x 63	8	3000	400	7
1225 ⁽³⁾	125 x 250	12	2000	400	7
THJP1225	126 x 252	12	1000	400	7
1505	150 x 50	12	4000	400	7
2010	200 x 100	12	2000	400	7
2208	225 x 75	12	2000	400	7
2512	250 x 125	12	2000	400	7
THJP2512	252 x 126	12	1000	400	7

Notes

- ⁽¹⁾ Same tape as 0705 / 0805, part orientation will have termination on B₀ side of pocket
- ⁽²⁾ Same tape as 1206, part orientation will have termination on B₀ side of pocket
- ⁽³⁾ Same tape as 2512, part orientation will have termination on B₀ side of pocket
- ⁽⁴⁾ M-1005 series 5000 pieces max. per reel

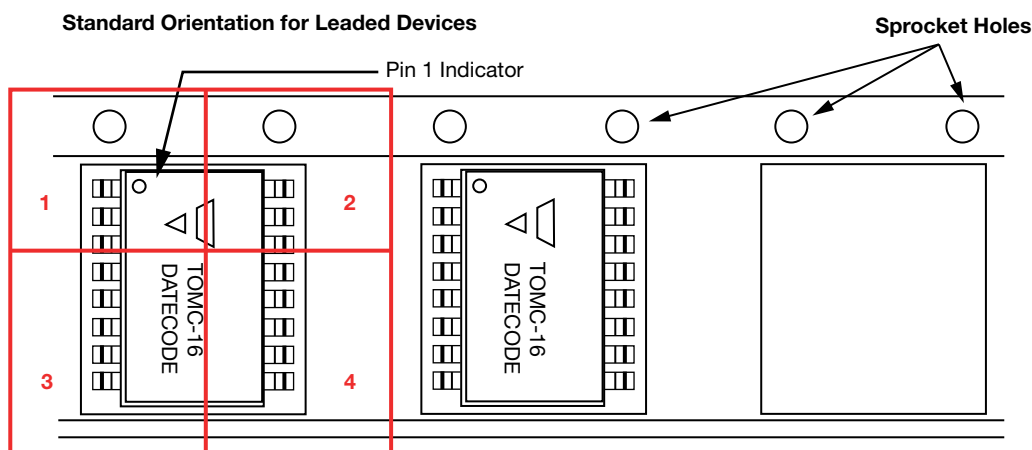


Fig. 1 - Vishay Thin Film Network / Array Pin 1 Orientation Diagram

VISHAY THIN FILM (NIAGARA FALLS) STANDARD TAPE AND REEL SPECIFICATIONS

SMD NETWORKS						
STYLE	TYPE	TAPE SIZE (mm)	MAX. QUANTITY/REEL	LEADER LENGTH (MIN.) (mm)	REEL SIZE (INCHES)	PIN 1 LOCATION
DFN	8 PAD 4 mm SQ.	12	3000	400	13	TOP CENTER
ORN / AORN	8 PIN SOIC	12	3000	400	13	Q1
OSOP 16 lead						
HTRN						
MORN	8 PIN QSOP (MO-187)	12	3000	400	13	Q1
TOMC	16 PIN SOIC	24	2000	400	13	Q3
MP	SC70	8	4000	400	7	Q3
MPM	SOT-23	8	4000	400	7	Q3
MPD	SOT-143	8	4000	400	7	Q3
MPH	4 PIN LCC	12	2500	400	13	TOP CENTER
TLCC / LCC	16 PIN LCC	16	2000	400	13	TOP CENTER
TLCC / LCC	20 PIN LCC	16	2000	400	13	Q1
WOMC	16 PIN SOIC	24	1000	400	13	Q1
	18 PIN SOIC					
	20 PIN SOIC					
NOMC	14 PIN SOIC	16	2500	400	13	Q1
NOMCA						
NOMC	16 PIN SOIC	16	2500	400	13	Q1
NOMCA						
OSOP	20 PIN SSOP	16	2500	400	13	Q1
	24 PIN SSOP					
CSO	10 PIN	16	2500	400	13	Q1
CSO	16 PIN	16	2500	400	13	Q1
CSO	16 PIN WIDE	24	1000	400	13	Q1
QFN	20 PIN 5 mm SQ	12	2000	400	7	TOP CENTER

**VISHAY THIN FILM (NIAGARA FALLS) STANDARD TAPE AND REEL SPECIFICATIONS**

SILICON NETWORKS						
SILNET STYLE	SIZE (mils)	TAPE SIZE (mm)	MAX. QUANTITY/REEL	LEADER LENGTH (MIN.) (mm)	REEL SIZE (INCHES)	PIN 1 LOCATION
VSOR	16 PIN SOIC	12	2500	400	13	Q1
VSORC	20 PIN SOIC	24	1000	400	13	Q1
VSOR2000S1	20 PIN SOIC	24	1000	400	13	Q1
VSSR	16 PIN QSOP	12	2500	400	13	Q1
	20 PIN QSOP	16				
	24 PIN QSOP	16				
VSSRC	20 PIN QSOP	16	2500	400	13	Q1
VTSR	16 PIN TSSOP	24	2500	400	13	Q1
	20 PIN TSSOP					
	24 PIN TSSOP					
VTSRC	20 PIN TSSOP	24	2500	400	13	Q1

VISHAY THIN FILM (NIAGARA FALLS) STANDARD TAPE AND REEL SPECIFICATIONS

SMD ARRAYS						
STYLE	NUMBERS OF RESISTORS	TAPE SIZE (mm)	MAX. QUANTITY/REEL	LEADER LENGTH (MIN.) (mm)	REEL SIZE (INCHES)	PIN 1 LOCATION
PR100A	2	8	5000	400	7	Q1
PR100A	4	12	4000	400	7	Q1
PR100A	6	12	2000	400	7	Q1
PR100A	8	16	2000	400	7	Q1
PR135A	2	8	2000	400	7	Q1
PR135A	3	12	2000	400	7	Q1
PR135A	4	12	2000	400	7	Q1
PR135A	5	16	2000	400	7	Q1
PR135A	6	16	2000	400	7	Q1
PR135A	7	24	2000	400	7	Q1
PR182A	2	12	2000	400	7	Q1
PR182A	4	12	2000	400	7	Q1
PR182A	5	24	2000	400	7	Q1