

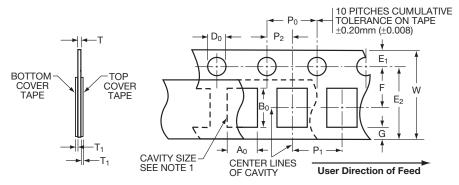
Packaging

- Chips
- Axial Leads
- Radial Leads

Paper Carrier Configuration

8mm Tape Only





8MM PAPER TAPE METRIC DIMENSIONS WILL GOVERN

CONSTANT DIMENSIONS

mm (inches)

Tape Size	D ₀	E	P_0	P ₂	T ₁	G. Min.	R Min.
8mm	1.5 ^{0.10} (0.059 ¹⁰⁰ 004 (0.059 -0.0	1.75 ± 0.10 (0.069 ± 0.004)	4.00 ± 0.10 (0.157 ± 0.004)	2.00 ± 0.05 (0.079 ± 0.002)	0.10 (0.004) Max.	0.75 (0.030) Min.	25.0 (0.984) See Note 2 Min.

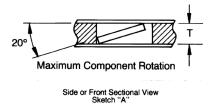
VARIABLE DIMENSIONS

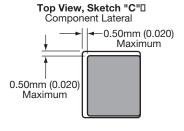
mm (inches)

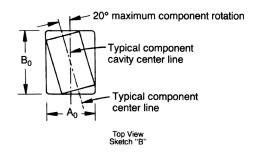
Tape Size	P ₁ See Note 4	E ₂ Min.	F	W	A ₀ B0	Т
8mm	4.00 ± 0.10 (0.157 ± 0.004)	6.25 (0.246)	3.50 ± 0.05 (0.138 ± 0.002)	+0.30 8.00 -0.10 (0.315 -0.004)	See Note 1	1.10mm (0.043) Max. for Paper Base Tape and 1.60mm (0.063) Max. for Non-Paper Base Compositions

NOTES:

- 1. The cavity defined by $\rm A_{0},\,B$, and T shall be configured to provide sufficient clearance surrounding the component so that:
 - the component does not protrude beyond either surface of the carrier tape;
 - the component can be removed from the cavity in a vertical direction without mechanical restriction after the top cover tape has been removed;
 - rotation of the component is limited to 20° maximum (see Sketches A & B);
 - lateral movement of the component is restricted to 0.5mm maximum (see Sketch C).
- 2. Tape with or without components shall pass around radius "R" without damage.
- 3. Bar code labeling (if required) shall be on the side of the reel opposite the sprocket holes. Refer to EIA-556.
- 4. If P1 = 2.0mm, the tape may not properly index in all tape feeders.







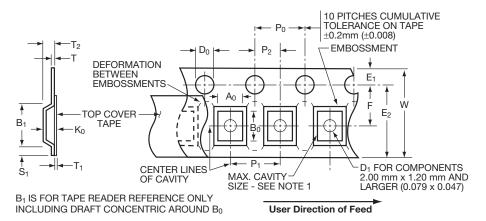
Bar Code Labeling Standard

KYOCERA AVX bar code labeling is available and follows latest version of EIA-556

Embossed Carrier Configuration

8 & 12mm Tape Only





8 & 12MM EMBOSSED TAPE METRIC DIMENSIONS WILL GOVERN

CONSTANT DIMENSIONS

mm (inches)

Tape Size	D _o	E	P ₀	P ₂	S ₁ Min.	T Max.	T ₁
8mm and 12mm	+0.10 1.50 -0.0 (0.059 +0.004)	1.75 ± 0.10 (0.069 ± 0.004)	4.0 ± 0.10 (0.157 ± 0.004)	2.0 ± 0.05 (0.079 ± 0.002)	0.60 (0.024)	0.60 (0.024)	0.10 (0.004) Max.

VARIABLE DIMENSIONS

mm (inches)

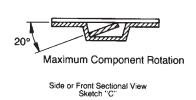
Tape Size	B ₁ Max.	D ₁ Min.	E ₂ Min.	F	P ₁ See Note 5	R Min. See Note 2	T_2	W Max.	$A_0 B_0 K_0$
8mm	4.35 (0.171)	1.00 (0.039)	6.25 (0.246)	3.50 ± 0.05 (0.138 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	25.0 (0.984)	2.50 Max. (0.098)	8.30 (0.327)	See Note 1
12mm	8.20 (0.323)	1.50 (0.059)	10.25 (0.404)	5.50 ± 0.05 (0.217 ± 0.002)	4.00 ± 0.10 (0.157 ± 0.004)	30.0 (1.181)	6.50 Max. (0.256)	12.3 (0.484)	See Note 1

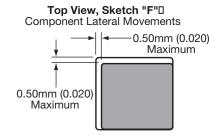
NOTES:

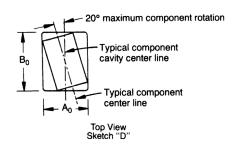
- 1. The cavity defined by A0, B0, and K0 shall be configured to provide the following: Surround the component with sufficient clearance such that:
 - the component does not protrude beyond the sealing plane of the cover tape.
 - the component can be removed from the cavity in a vertical direction without mechanical restriction, after the cover tape has been removed.
 - rotation of the component is limited to 20° maximum (see Sketches D & E).
 - lateral movement of the component is restricted to 0.5mm maximum (see Sketch F)

Tape with or without components shall pass around radius "R" without damage. Bar code labeling (if required) shall be on the side of the reel opposite the round sprocket holes. Refer to EIA-556.

B1 dimension is a reference dimension for tape feeder clearance only. If P1 = 2.0mm, the tape may not properly index in all tape feeders.





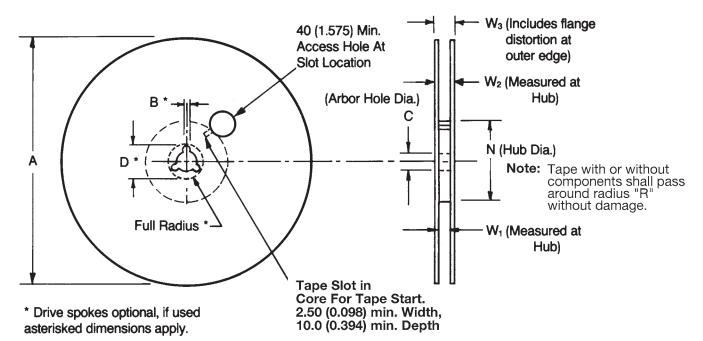


Packaging of Chip Components

Automatic Insertion Packaging



REEL DIMENSIONS



mm (inches)

Tape Size	A Max.	B* Min.	С	D* Min.	N Min.	W1	W2 Max.	W3
8mm	000	1.5	+0.50		50.0	8.40 ^{+1.5} 8.40 ^{-0.0} (0.331 ^{+0.059} _{-0.0})	14.4 (0.567)	7.90 Min. (0.311) 10.9 Max. (0.429)
12mm	330 (12.992)	1.5 (0.059) 13.0 -0.20 (0.512 -0.008) 20.2 (0.795) (1.969)		12.4 +2.0 +0.0 +0.079 (0.488 -0.0	18.4 (0.724)	11.9 Min. (0.469) 15.4 Max. (0.607)		

Metric dimensions will govern.

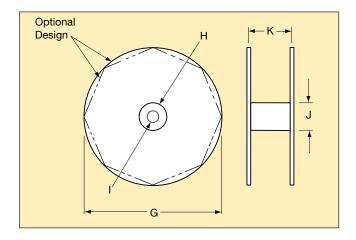
English measurements rounded and for reference only.

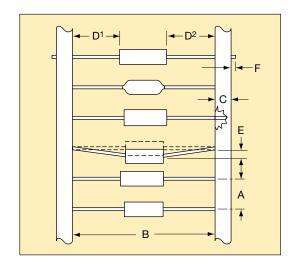
Axial (Leads/Packaging)



TRANSGUARD®

CLASS I / RS-296					
A.	5mm ± 0.5mm (0.200" ± 0.020")				
B*.	52.4mm ± 1.5mm (2.063" ± 0.059")				
C.	6.35mm ± 0.4mm (0.250" ± 0.016")				
D1-D2.	1.4mm (0.055" MAX.)				
E.	1.2mm (0.047" MAX.)				
F.	1.6mm (0.063" MAX.)				
G.	356mm (14.00" MAX.)				
Н.	76mm (3.000")				
I.	25.4mm (1.000")				
J.	84mm (3.300")				
K.	70mm (2.750")				





Leader Tape: 300mm min. (12")

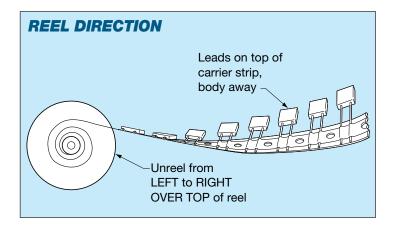
Splicing: Tape Only

Missing Parts: 0.25% of component count max.- No

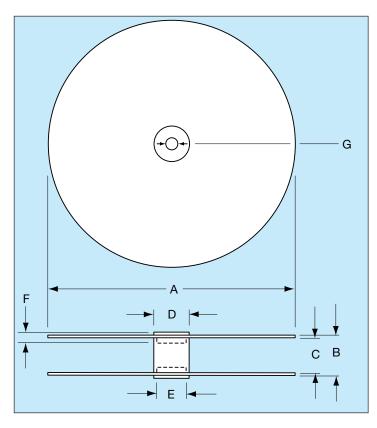
consecutive missing parts

Radial Leads/Packaging









DESCRIPTION	DIMENSIONS (MM)
A - Reel Diameter	304.80 - 355
B - Reel Outside Width	50.80 maximum
C - Reel Inside Width	38.10 - 46.02
D - Core Diameter (O.D.)	102.01 maximum
E - Hub Recess Diameter	86.36 maximum
F - Hub Recess Depth	9.50 minimum
G - Arbor Hole Diameter	25.40 - 30.48

T T D Q C T W	S R
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	=

	DT	101	
DESCRI	PH	UIV	

A. Feed Hole Pitch

B. Feed Hole Diameter

C. Feed Hole Location

D. Component Lead Spacing

E. Component Lead Location

F. Component Lead Protrusion (edge of carrier to cut end of lead)

K. Component Body Location

L. Carrier Tape Width

M. Carrier Tape Assembly Thickness

N. Carrier Tape Spliced Thickness

O. Carrier Tape Spliced Length

Q. Adhesive Tape Border

R. Component Bent Leads (either direction)

S. Component Misalignment

T. Component Pitch

W. Adhesive Tape Width

X. Carrier Tape Thickness

Y. Cumulative Pitch over 20 Pitches

DIMENSIONS (MM)

12.70 ± .20

3.99 ± .20

9.02 ± .51

5.00 ^{+.79}_{-.20} or 2.54 ^{+.79}_{-.20}

3.81 ±.51 or 5.00 ±.51

for 2.54 lead spacing

2.00 maximum

6.35 ±.41

18.01₋₅₁

.71 ± .20 1.42 maximum

50.80 - 88.90

3.00 maximum

.79 maximum .99 maximum

12.70 ±.99

5.00 minimum

.51 ±.10

254 ±2.00