



TAJ, TPS, TRJ, THJ, TPM, TAC, TPC, TLC, TLJ, TCJ, CWR11, TBJ, TBM, NOJ, NOS, NOM, NBJ, NBM, and NPV Series – Tape & Reel Packaging

Tape and reel packaging for automatic component placement. Please enter required Suffix on order. Bulk packaging is not available.

TAPE SPECIFICATION

Tape dimensions comply to EIA 481-1 Dimensions A₀ and B₀ of the pocket and the tape thickness, K, are dependent on the component size. Tape materials do not affect component solderability during storage. Carrier Tape Thickness <0.4mm.

TAPING SUFFIX TABLE TAJ, TPS, TRJ, THJ, TPM, TLJ, TCJ, CWR11, TBJ, TBM, NOJ, NOS, NOM, NBJ, NBM AND NPV

Case Size	Tape width mm	P mm	180mm (7") reel		330mm (13") reel		180mm (7") reel & Gold Termination	
			Suffix	Qty.	Suffix	Qty.	Suffix	Qty.
A	8	4	R	2000	S	8000	A	2000
B	8	4	R	2000	S	8000	A	2000
C	12	8	R	500	S	3000	A	500
D	12	8	R	500	S	2500	A	500
E	12	8	R	400	S	1500	A	400
F	12	8	R	1000	S	4000	A	1000
G	8	4	R	2500	S	10000	A	2500
H	8	4	R	2500	S	10000	A	2500
J	8	4	R	4000	S	15000	A	4000
K	8	4	R	3000	S	13000	A	2500
P	8	4	R	2500	S	10000	A	2500
R	8	4	R	2500	S	10000	A	2500
S	8	4	R	2500	S	10000	A	2500
T	8	4	R	2500	S	10000	A	2500
V	12	8	R	400	S	1500	A	400
W	12	8	R	1000	S	5000	A	1000
X	12	8	R	1000	S	5000	A	1000
Y	12	8	R	1000	S	4000	A	1000
Z	16	8	R	400	S	1500	-	-

Under Development

TAPING SUFFIX TABLE TAC, TPC AND TLC

Case Size	Tape width mm	P mm	100mm (4") reel Tin Termination		180mm (7") reel Tin Termination		100mm (4") reel & Gold Termination		180mm (7") reel & 100% Gold Termination	
			Suffix	Qty.	Suffix	Qty.	Suffix	Qty.	Suffix	Qty.
A	8	4	XTA	500	RTA	2,000	FTA	500	ATA	2,000
C	8	4	XTA	500	RTA	3,500	-	-	-	-
H	8	4	XTA	500	RTA	3,500	FTA	500	ATA	3,500
J	8	4	XTA	500	RTA	3,500	-	-	-	-
K	8	2	QTA	1000	PTA	10,000	-	-	-	-
L	8	4	XTA	500	RTA	3,500	FTA	500	ATA	3,500
R	8	4	XTA	500	RTA	2,500	FTA	500	ATA	2,500
T	8	4	XTA	500	RTA	2,500	-	-	-	-
U	8	4	XTA	500	RTA	3,500	FTA	500	ATA	3,500
V	8	4	XTA	500	RTA	2,500	-	-	-	-
X	8	4	XTA	500	RTA	2,000	FTA	500	ATA	2,000



TAJ, TPS, TRJ, THJ, TPM, TAC, TPC, TLC, TLJ, TCJ, CWR11, TBJ, TBM, NOJ, NOS, NOM, NBJ, NBM, and NPV Series – Tape & Reel Packaging



PLASTIC TAPE DIMENSIONS TAJ, TPS, TRJ, THJ, TPM, TLJ, TCJ, CWR11, TBJ, TBM, NOJ, NOS, NOM, NBJ, NBM AND NPV

Case	A0±0.10	B0±0.10	K±0.10	W±0.30	E±0.10	F±0.05	G min.	P±0.10	P2±0.05	P0±0.10	D0 ^{+0.20} _{-0.00}	D1 ^{+0.20} _{-0.00}
A	1.83	3.57	1.87	8.00	1.75	3.50	0.75	4.00	2.00	4.00	1.50	1.00
B	3.15	3.77	2.22	8.00	1.75	3.50	0.75	4.00	2.00	4.00	1.50	1.00
C	3.45	6.40	2.92	12.00	1.75	5.50	0.75	8.00	2.00	4.00	1.50	1.50
D	4.48	7.62	3.22	12.00	1.75	5.50	0.75	8.00	2.00	4.00	1.50	1.50
E	4.50	7.50	4.50	12.00	1.75	5.50	0.75	8.00	2.00	4.00	1.50	1.50
F	3.35	6.40	2.20	12.00	1.75	5.50	0.75	8.00	2.00	4.00	1.50	1.50
G	1.83	3.57	1.65	8.00	1.75	3.50	0.75	4.00	2.00	4.00	1.50	1.00
H	3.15	3.77	1.66	8.00	1.75	3.50	0.75	4.00	2.00	4.00	1.50	1.00
J	1±0.05	1.8±0.05	1±0.05	8.00	1.75	3.50	0.75	4.00	2.00	4.00	1.50	1.00
K	1.95	3.55	1.15	8.00	1.75	3.50	0.75	4.00	2.00	4.00	1.50	1.00
P	1.65	2.45	1.60	8.00	1.75	3.50	0.75	4.00	2.00	4.00	1.50	1.00
R	1.65	2.45	1.30	8.00	1.75	3.50	0.75	4.00	2.00	4.00	1.50	1.00
S	1.95	3.55	1.30	8.00	1.75	3.50	0.75	4.00	2.00	4.00	1.50	1.00
T	3.20	3.80	1.30	8.00	1.75	3.50	0.75	4.00	2.00	4.00	1.50	1.00
V	6.43	7.44	3.84	12.00	1.75	5.50	0.75	8.00	2.00	4.00	1.50	1.50
W	3.57	6.40	1.65	12.00	1.75	5.50	0.75	8.00	2.00	4.00	1.50	1.50
X	4.67	7.62	1.65	12.00	1.75	5.50	0.75	8.00	2.00	4.00	1.50	1.50
Y	4.67	7.62	2.15	12.00	1.75	5.50	0.75	8.00	2.00	4.00	1.50	1.50

PLASTIC TAPE DIMENSIONS TAC, TPC AND TLC

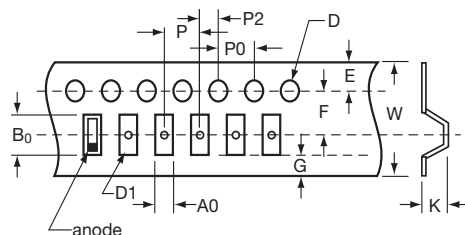
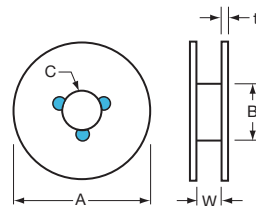
Plastic	Case	A0+0.025	B0±0.05	W±0.30	E±0.10	F±0.05	P±0.10	P2±0.05	P0±0.10	D ^{+0.10} _{-0.00}	D1 ^{+0.10} _{-0.00}	K±0.05
	L	1.025	1.95	8	1.75	3.5	4	2	4	1.5	0.8	1.1
Plastic	Case	A0+0.05	B0±0.10	W±0.30	E±0.10	F±0.05	P±0.10	P2±0.05	P0±0.10	D ^{+0.10} _{-0.00}	D1 Min.	K±0.05
	R	1.7	2.45	8	1.75	3.5	4	2	4	1.5	1.0	1.7
	H	1.7	2.45	8	1.75	3.5	4	2	4	1.5	1.0	1.1
	U	1.7	2.45	8	1.75	3.5	4	2	4	1.5	1.0	0.8
Plastic	Case	A0+0.10	B0±0.10	W±0.30	E±0.10	F±0.05	P±0.10	P2±0.05	P0±0.10	D ^{+0.20} _{-0.00}	D1 Min.	K±0.10
	A/X	1.83	3.57	8	1.75	3.5	4	2	4	1.5	1.0	1.87
	T	3.20	3.80	8	1.75	3.5	4	4	2	4	1.50	1.0

TAJ, TPS, TRJ, THJ, TPM, TAC, TPC, TLJ and TCJ Series – Tape and Reel Packaging



REEL DIMENSIONS

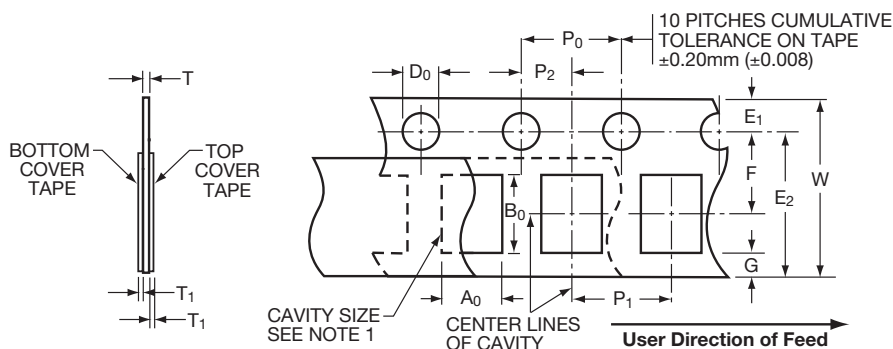
Reel Size	Tape	A	B	C	W	t
180mm (7")	12mm	178±2.00	50 min	13.0±0.50	12.4+1.5/-0	1.50±0.50
180mm (7")	8mm	178±2.00	50 min	13.0±0.50	8.4+1.5/-0	1.50±0.50
330mm (13")	12mm	328±2.00	50 min	13.0±0.50	12.4+1.5/-0	1.50±0.50
330mm (13")	8mm	328±2.00	50 min	13.0±0.50	8.4+1.5/-0	1.50±0.50
108mm (4.25")	8mm	108±2.00		13.0±0.50	8.4+1.5/-0	1.50±0.50



COVER TAPE NOMINAL DIMENSIONS

Thickness: 75µm
 Width of tape: 5.5mm (8mm tape)
 9.5mm (12mm tape)

For TAC Range Only (Paper Tape)



	A ₀	B ₀	W	E	F	P ₁	P ₂	P ₀	D ₀	E ₂	T
	+0.1 -0.05	+0.05 -0.05	±.20	±0.10	±0.05	±0.05	±0.05	±0.1	-0.1 -0.0	Min	±0.05
K	0.75	1.35	8.0	1.75	3.5	2.0	2.0	4.0	1.5	6.25	0.75

TAZ Cots+, CWR09, CWR19 and CWR29 Series



Tape and Reel Packaging

Solid Tantalum Chip TAZ Tape and reel packaging for automatic component placement.
Please enter required Suffix on order. Bulk packaging is standard.

TAZ TAPING SUFFIX TABLE

Case Size reference	Tape width mm	P mm	7" (180mm) reel		13" reel (330mm) reel	
			Suffix	Qty.	Suffix	Qty.
A	8	4	R	2500	S	9000
B	12	4	R	2500	S	9000
C	12	4	R	2500	S	9000
D	12	4	R	2500	S	8000
E	12	4	R	2500	S	8000
F	12	8	R	1000	S	3000
G	12	8	R	500	S	2500
H	12	8	R	500	S	2500

Total Tape Thickness — K max	
Case size reference	TAZ Millimeters (Inches) DIM
A	2.0 (0.079)
B	4.0 (0.157)
D	4.0 (0.157)
E	4.0 (0.157)
F	4.0 (0.157)
G	4.0 (0.157)
H	4.0 (0.157)

Code	8mm Tape		12mm Tape	
P*	4±0.1 or 8±0.1	(0.157±0.004) (0.315±0.004)	4±0.1 or 8±0.1	(0.157±0.004) (0.315±0.004)
G	0.75 min	(0.03 min)	0.75 min	(0.03 min)
F	3.5±0.04	(0.138±0.002)	5.5±0.05	(0.22±0.002)
E	1.75±0.1	(0.069±0.004)	1.75±0.1	(0.069±0.004)
W	8±0.3	(0.315±0.012)	12±0.3	(0.472±0.012)
P ₂	2±0.05	(0.079±0.002)	2±0.05	(0.079±0.002)
P ₀	4±0.1	(0.157±0.004)	4±0.1	(0.157±0.004)
D	1.5±0.1 -0	(0.059±0.004) (-0)	1.5±0.1 -0	(0.059±0.004) (-0)
D ₁	1.0 min	(0.039 min)	1.5 min	(0.059 min)

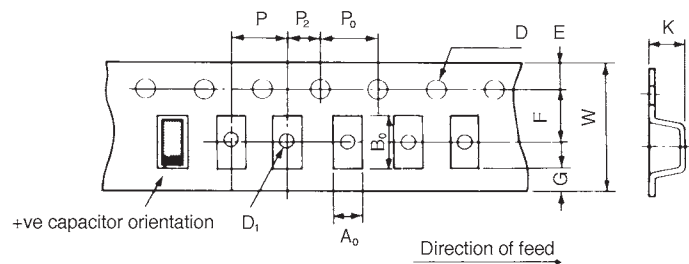
*See taping suffix tables for actual P dimension (component pitch).

TAPE SPECIFICATION

Tape dimensions comply to EIA RS 481 A
Dimensions A₀ and B₀ of the pocket and the tape thickness, K, are dependent on the component size.

Tape materials do not affect component solderability during storage.

Carrier Tape Thickness <0.4mm



TAJ, TRJ, THJ, TPS, TPM, NOJ, NOS, NOM, NPV, TAC, TPC, TCJ and TLJ

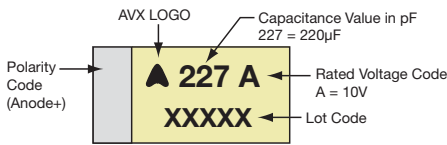


Marking

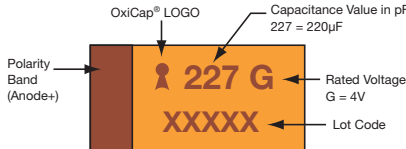
For TAJ, TPS & THJ, the positive end of body has videcon readable polarity marking as shown in the diagram. Bodies are marked by indelible laser marking on top surface with capacitance value, voltage and LOT code. R and P case is an exception due to small size in which only the voltage and capacitance values are printed.

Voltage Code	Rated Voltage at 85°C	Voltage Code	Rated Voltage at 85°C
x	1.8	C	16
e	2.5	D	20
G	4	E	25
J	6.3	V	35
A	10	T	50

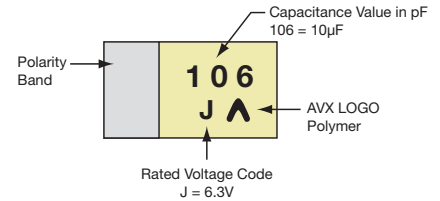
TAJ, TRJ, TPS, TPM – A, B, C, D, E, F, K, H, S, T, V, W, Y and X CASE:



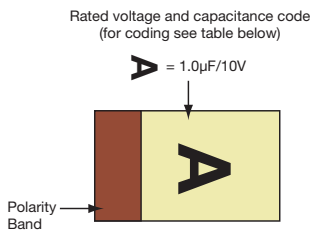
NOJ, NOS, NOM, NPV – A, B, C, D, E, S, T, V, Y, Z CASE:



TCJ – P, R CASE:

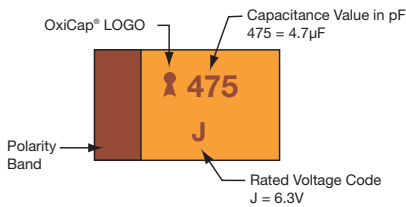


TAJ – J CASE:

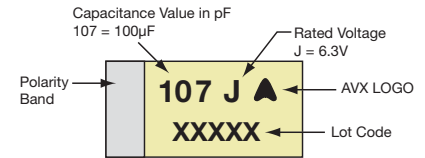


Capacitance	Voltage		
	4V	6.3V	10V
1.0			▷
1.5			▽
2.2			◁
3.3		J	A
4.7	G	J	
6.8	G	L	
10	Q		

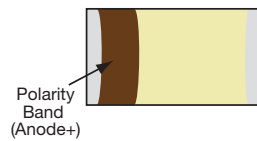
NOJ – P CASE:



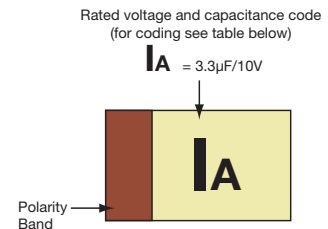
TLJ – A, B, G, H, K, S, T, W CASE:



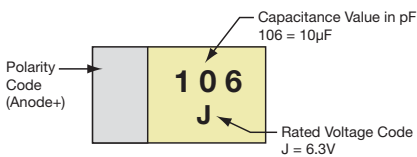
TAC, TPC – ALL CASE SIZES



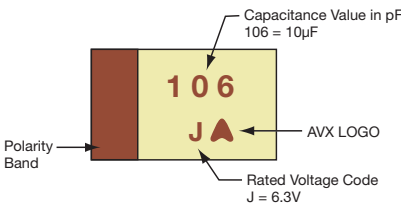
TLJ – J CASE:



TAJ – R and P CASE:

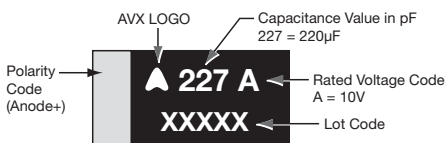


TLJ – N, P, R CASE:



Capacitance	Voltage			
	4V	6.3V	10V	16V
2.2				
3.3			IA	σ
4.7		IJ	Λ	ϑ
6.8	IG	π	∇	
10	σ	η	Λ	
15	ϑ	π		
22	IG			

THJ – A, B, C, D, E CASE:



TCJ – A, B, C, H, K, T, W, Y CASE:

