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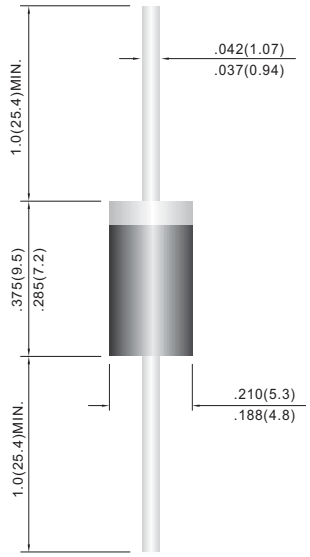
1.DATA SHEET

1.5KE SERIES

GLASS PASSIVATED JUNCTION TRANSIENT VOLTAGE SUPPRESSOR

VOLTAGE 6.8 to 440 Volts **PEAK PULSE POWER** 1500 Watts

DO-201AE Unit: inch(mm)



FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O
- Glass passivated chip junction in DO-201AE package
- 1500W surge capability at 1.0ms
- Excellent clamping capability
- Low zener impedance
- Fast response time: typically less than 1.0 ps from 0 volts to BV min
- Typical IR less than 1μA above 10V
- High temperature soldering guaranteed: 260°C/10 seconds/.375" ,(9.5mm) lead length/5lbs., (2.3kg) tension
- Pb free product are available : 99% Sn above can meet Rohs environment substance directive request

MECHANICALDATA

Case: JEDEC DO-201AE molded plastic

Terminals: Axial leads, solderable per MIL-STD-202G, Method 208

Polarity: Color band denoted cathode except Bipolar

Mounting Position: Any

Weight: 0.045 ounces, 1132mg

DEVICES FOR BIPOLAR APPLICATIONS

For Bidirectional use C or CA Suffix for types 1.5KE6.8 thru types 1.5KE440.
Electrical characteristics apply in both directions.

MAXIMUM RATINGS AND CHARACTERISTICS

Rating at 25°Cambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.
For Capacitive load derate current by 20%.

Rating	Symbol	Value	Units
Peak Power Dissipation at T A=25^{O}C, T P=1ms(Note 1)	P_{PK}	1500	Watts
Steady State Power dissipation at TL = 75^{O}C Lead Lengths .375", (95mm) (Note 2)	P_{D}	5.0	Watts
Peak Forward Surge Current, 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JECED Method) (Note 3)	I_{FSM}	200	Amps
Operating Junction and Storage Temperature Range	T_J,T_{STG}	-65 to +175	^{O}C

NOTES:

1. Non-repetitive current pulse, per Fig. 3 and derated above T_A=25°C per Fig. 2.
2. Mounted on Copper Leaf area of 0.79 in^2(20mm^2).
3. 8.3ms single half sine-wave, duty cycle= 4 pulses per minutes maximum.

Part Number	Part Number	V_{RWM}	V_{BR} @ I_T			I_R @ V_{RWM}		V_C @ I_{PP}		PACKAGE
			Min.	Max.	I_T	UNI-	BI-			
UNI-	BI-	V	V	V	mA	uA	uA	V	A	
1500W Transient Voltage Suppressor										
1.5KE6.8	1.5KE6.8C	5.50	6.12	7.48	10	1000	2000	10.8	139	DO-201AE
1.5KE6.8A	1.5KE6.8CA	5.80	6.45	7.14	10	1000	2000	10.5	143	DO-201AE
1.5KE7.5	1.5KE7.5C	6.05	6.75	8.25	10	500	1000	11.7	128	DO-201AE
1.5KE7.5A	1.5KE7.5CA	6.40	7.13	7.88	10	500	1000	11.3	132	DO-201AE
1.5KE8.2	1.5KE8.2C	6.63	7.38	9.02	10	200	400	12.5	120	DO-201AE
1.5KE8.2A	1.5KE8.2CA	7.02	7.79	8.61	10	200	400	12.1	124	DO-201AE
1.5KE9.1	1.5KE9.1C	7.37	8.19	10.0	1.0	50	100	13.8	109	DO-201AE
1.5KE9.1A	1.5KE9.1CA	7.78	8.65	9.50	1.0	50	100	13.4	112	DO-201AE
1.5KE10	1.5KE10C	8.10	9.00	11.0	1.0	10	20	15.0	100	DO-201AE
1.5KE10A	1.5KE10CA	8.55	9.50	10.5	1.0	10	20	14.5	103	DO-201AE
1.5KE11	1.5KE11C	8.92	9.90	12.1	1.0	5	10	16.2	93	DO-201AE
1.5KE11A	1.5KE11CA	9.40	10.5	11.6	1.0	5	10	15.6	96	DO-201AE
1.5KE12	1.5KE12C	9.72	10.8	13.2	1.0	5	5	17.3	87	DO-201AE
1.5KE12A	1.5KE12CA	10.2	11.4	12.6	1.0	5	5	16.7	90	DO-201AE
1.5KE13	1.5KE13C	10.5	11.7	14.3	1.0	5	5	19.0	79	DO-201AE
1.5KE13A	1.5KE13CA	11.1	12.4	13.7	1.0	5	5	18.2	82	DO-201AE
1.5KE15	1.5KE15C	12.1	13.5	16.5	1.0	1	1	22.0	68	DO-201AE
1.5KE15A	1.5KE15CA	12.8	14.3	1.8	1.0	1	1	21.2	71	DO-201AE
1.5KE16	1.5KE16C	12.9	14.4	17.6	1.0	1	1	23.5	64	DO-201AE
1.5KE16A	1.5KE16CA	13.6	15.2	16.8	1.0	1	1	22.5	67	DO-201AE
1.5KE18	1.5KE18C	14.5	16.2	19.8	1.0	1	1	26.5	56.5	DO-201AE
1.5KE18A	1.5KE18CA	15.3	17.1	18.9	1.0	1	1	25.2	59.5	DO-201AE
1.5KE20	1.5KE20C	16.2	18.0	22.0	1.0	1	1	29.1	51.5	DO-201AE
1.5KE20A	1.5KE20CA	17.1	19.0	21.0	1.0	1	1	27.7	54	DO-201AE
1.5KE22	1.5KE22C	17.8	19.8	24.2	1.0	1	1	31.9	47	DO-201AE
1.5KE22A	1.5KE22CA	18.8	20.9	23.1	1.0	1	1	30.6	49	DO-201AE
1.5KE24	1.5KE24C	19.4	21.6	26.4	1.0	1	1	34.7	43	DO-201AE
1.5KE24A	1.5KE24CA	20.5	22.8	25.2	1.0	1	1	33.2	45	DO-201AE
1.5KE27	1.5KE27C	21.8	24.3	29.7	1.0	1	1	39.1	38.5	DO-201AE
1.5KE27A	1.5KE27CA	23.1	25.7	28.4	1.0	1	1	37.5	40	DO-201AE
1.5KE30	1.5KE30C	24.3	27.0	33.0	1.0	1	1	43.5	34.5	DO-201AE
1.5KE30A	1.5KE30CA	25.6	28.5	31.5	1.0	1	1	41.4	36	DO-201AE
1.5KE33	1.5KE33C	26.8	29.7	36.3	1.0	1	1	47.7	31.5	DO-201AE
1.5KE33A	1.5KE33CA	28.2	31.4	34.7	1.0	1	1	45.7	33	DO-201AE
1.5KE36	1.5KE36C	29.1	32.4	39.6	1.0	1	1	52.0	29	DO-201AE
1.5KE36A	1.5KE36CA	30.8	34.2	37.8	1.0	1	1	49.9	30	DO-201AE
1.5KE39	1.5KE39C	31.6	35.1	42.9	1.0	1	1	56.4	26.5	DO-201AE
1.5KE39A	1.5KE39CA	33.3	37.1	41.0	1.0	1	1	53.9	28	DO-201AE
1.5KE43	1.5KE43C	34.8	38.7	47.3	1.0	1	1	61.9	24	DO-201AE
1.5KE43A	1.5KE43CA	36.8	40.9	45.2	1.0	1	1	59.3	25.3	DO-201AE
1.5KE47	1.5KE47C	38.1	42.3	51.7	1.0	1	1	67.8	22.2	DO-201AE
1.5KE47A	1.5KE47CA	40.2	44.7	49.4	1.0	1	1	64.8	23.2	DO-201AE

Part Number	Part Number	V_{RWM}	V_{BR} @ I_T			I_R @ V_{RWM}		V_C @ I_{PP}		PACKAGE
			Min.	Max.	I_T	UNI-	BI-			
UNI-	BI-	V	V	V	mA	uA	uA	V	A	
1500W Transient Voltage Suppressor										
1.5KE51	1.5KE51C	41.3	45.9	56.1	10	1	1	73.5	20.4	DO-201AE
1.5KE51A	1.5KE51CA	43.6	48.5	53.6	10	1	1	70.1	21.4	DO-201AE
1.5KE56	1.5KE56C	45.6	50.4	61.6	10	1	1	80.5	18.6	DO-201AE
1.5KE56A	1.5KE56CA	47.8	53.2	58.8	10	1	1	77.0	19.5	DO-201AE
1.5KE62	1.5KE62C	50.2	55.8	68.2	10	1	1	89.0	16.9	DO-201AE
1.5KE62A	1.5KE62CA	53.0	58.9	65.1	10	1	1	85.0	17.7	DO-201AE
1.5KE68	1.5KE68C	55.1	61.2	74.8	10	1	1	98.0	15.3	DO-201AE
1.5KE68A	1.5KE68CA	58.1	64.6	71.4	10	1	1	92.0	16.3	DO-201AE
1.5KE75	1.5KE75C	60.7	67.5	82.5	10	1	1	108	13.9	DO-201AE
1.5KE75A	1.5KE75CA	64.1	71.3	78.8	10	1	1	103	14.6	DO-201AE
1.5KE82	1.5KE82C	66.4	73.8	90.2	10	1	1	118	12.7	DO-201AE
1.5KE82A	1.5KE82CA	70.1	77.9	86.1	10	1	1	113	13.3	DO-201AE
1.5KE91	1.5KE91C	73.7	81.9	100	10	1	1	131	11.4	DO-201AE
1.5KE91A	1.5KE91CA	77.8	86.5	95.5	10	1	1	125	12.0	DO-201AE
1.5KE100	1.5KE100C	81.0	90.0	110	10	1	1	144	10.4	DO-201AE
1.5KE100A	1.5KE100CA	85.5	95.0	105	10	1	1	137	11.0	DO-201AE
1.5KE110	1.5KE110C	89.2	99.0	121	10	1	1	158	9.5	DO-201AE
1.5KE110A	1.5KE110CA	94.0	105	116	10	1	1	152	9.9	DO-201AE
1.5KE120	1.5KE120C	97.2	108	132	10	1	1	173	8.7	DO-201AE
1.5KE120A	1.5KE120CA	102	114	126	10	1	1	165	9.1	DO-201AE
1.5KE130	1.5KE130C	105	117	143	10	1	1	187	8.0	DO-201AE
1.5KE130A	1.5KE130CA	111	124	137	10	1	1	179	8.4	DO-201AE
1.5KE150	1.5KE150C	121	135	165	10	1	1	215	7.0	DO-201AE
1.5KE150A	1.5KE150CA	128	143	158	10	1	1	207	7.2	DO-201AE
1.5KE160	1.5KE160C	130	144	176	10	1	1	230	6.5	DO-201AE
1.5KE160A	1.5KE160CA	136	152	168	10	1	1	219	6.8	DO-201AE
1.5KE170	1.5KE170C	138	153	187	10	1	1	244	6.2	DO-201AE
1.5KE170A	1.5KE170CA	145	162	179	10	1	1	234	6.4	DO-201AE
1.5KE180	1.5KE180C	146	162	198	10	1	1	258	5.8	DO-201AE
1.5KE180A	1.5KE180CA	154	171	189	10	1	1	246	6.1	DO-201AE
1.5KE200	1.5KE200C	162	180	220	10	1	1	287	5.2	DO-201AE
1.5KE200A	1.5KE200CA	171	190	210	10	1	1	274	5.5	DO-201AE
1.5KE220	1.5KE220C	175	198	242	10	1	1	344	4.3	DO-201AE
1.5KE220A	1.5KE220CA	185	209	231	10	1	1	328	4.6	DO-201AE
1.5KE250	1.5KE250C	202	225	275	10	1	1	360	4.3	DO-201AE
1.5KE250A	1.5KE250CA	214	237	263	10	1	1	344	4.6	DO-201AE
1.5KE300	1.5KE300C	243	270	330	10	1	1	430	3.6	DO-201AE
1.5KE300A	1.5KE300CA	256	285	315	10	1	1	414	3.8	DO-201AE
1.5KE350	1.5KE350C	284	315	385	10	1	1	504	3.1	DO-201AE
1.5KE350A	1.5KE350CA	300	332	368	10	1	1	482	3.2	DO-201AE
1.5KE400	1.5KE400C	324	360	440	10	1	1	574	2.7	DO-201AE
1.5KE400A	1.5KE400CA	342	380	420	10	1	1	548	2.8	DO-201AE
1.5KE440	1.5KE440C	356	396	484	10	1	1	631	2.4	DO-201AE
1.5KE440A	1.5KE440CA	376	418	462	10	1	1	600	2.6	DO-201AE

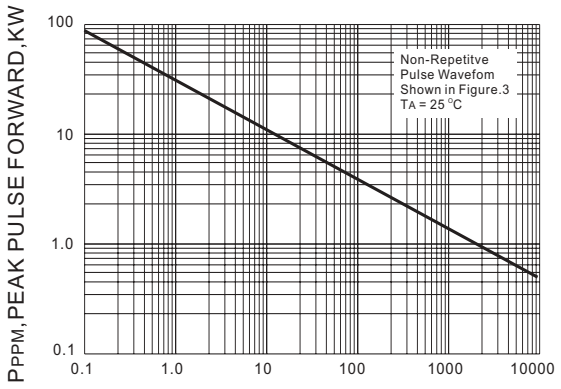


Fig. 1 PEAK PULSE POWER RATING VERSUS PULSE TIME CURVE

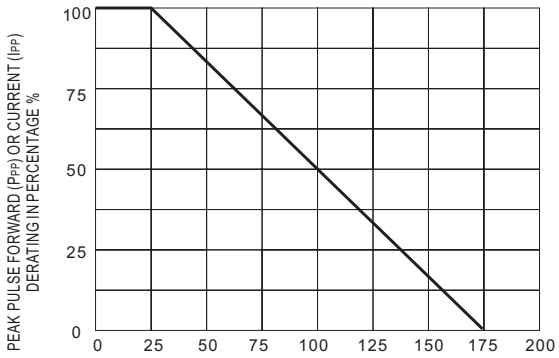


Fig.2 PULSE DERATING CURVE

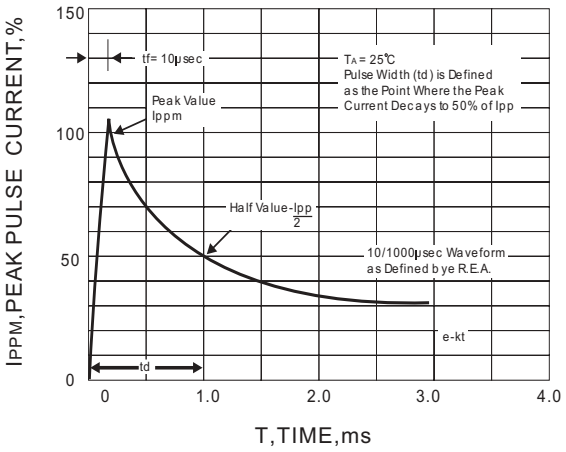


Fig.3 PULSE WAVEFORM

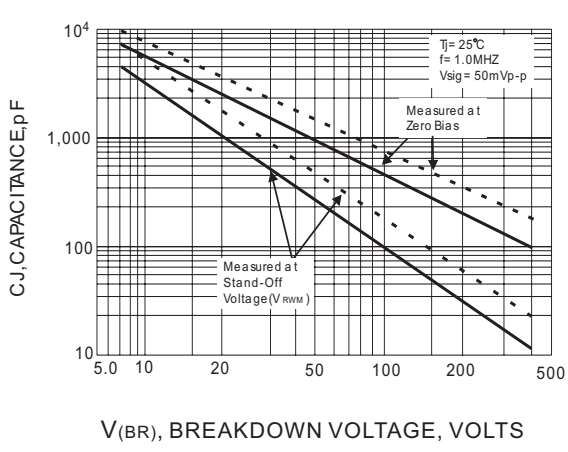


Fig.4 TYPICAL JUNCTION CAPACITANCE

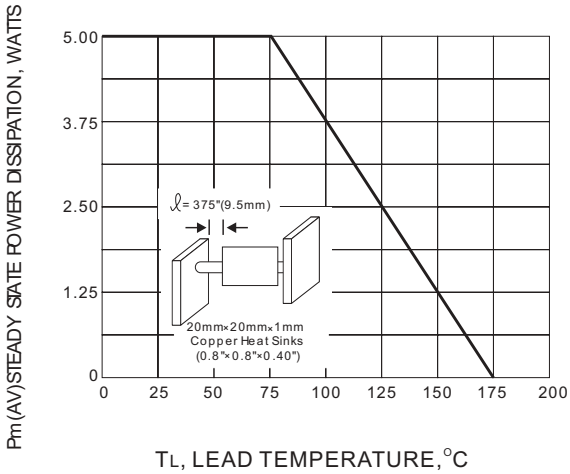


Fig.5 STEADY STATE POWER DERATING

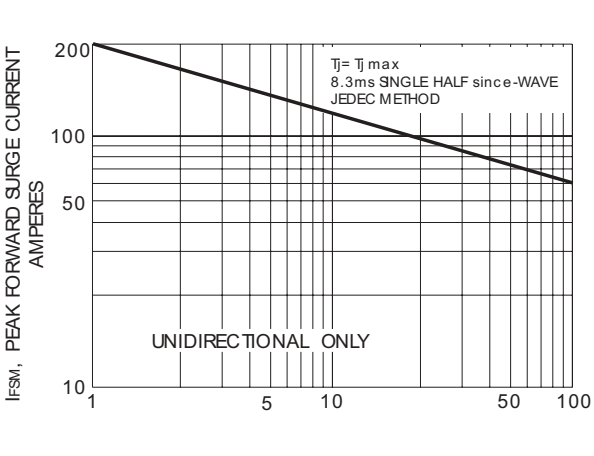
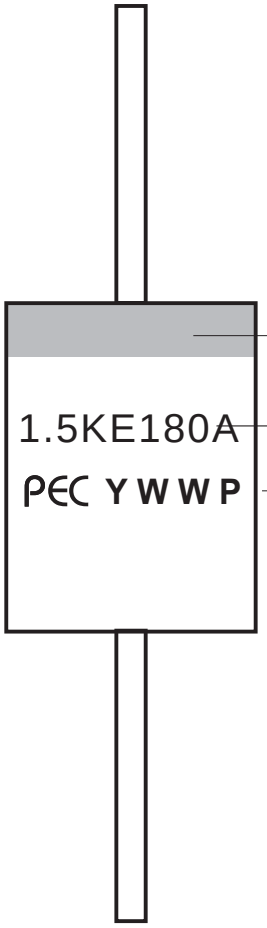


Fig.6 MAXIMUN NON-REPETITEVE PEAK FORWARD SURGE CURRENT UNIDIRECTIONAL

2. MARKING



Cathode band

1st line: Marking code

2nd line: PEC PanJit logo

Y- Last digit of calendar year

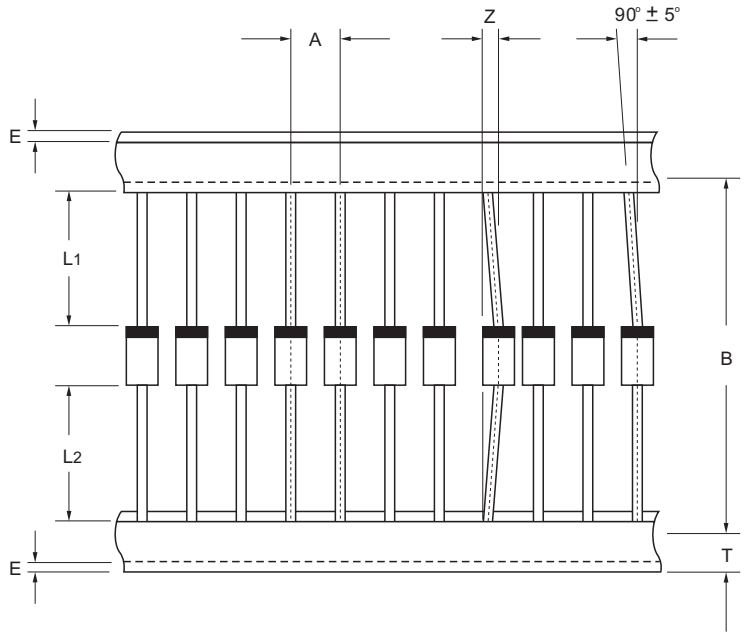
WW- Weekly

P- Production line

3. TAPING

Axial lead devices are packed in accordance with EIA standard RS-296-E and specifications given below.

COMPONENT OUTLINE	COMPONENT PITCH A ± 0.5mm	INTER TAPE PITCH B ± 1.0mm	CUMULATIVE PITCH TOLERANCE
DO-201AD	10.0mm	52.0mm	1.0mm/20pitch

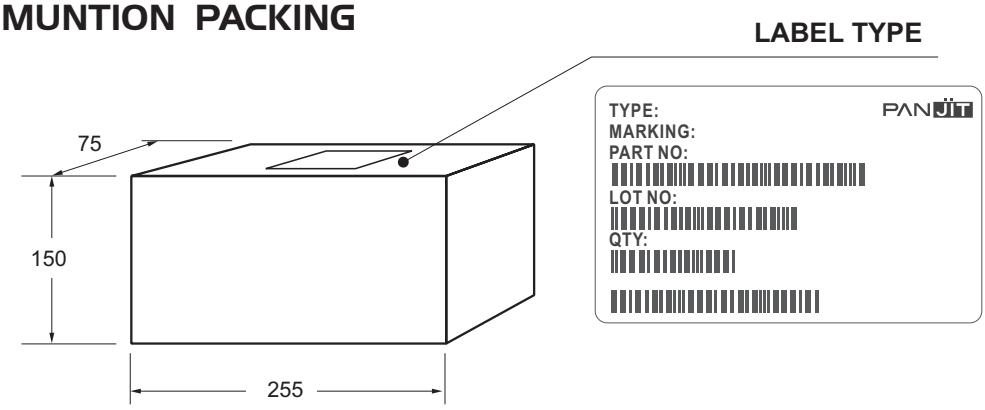


ITEM	SYMBOL	SPECIFICATIONS(mm)	SPECIFICATIONS(inch)
Component alignment	Z	1.2max	0.048max
Tape width	T	6.0±0.4	0.236±0.016
Exposed adhesive	E	0.8max	0.032max
Body eccentricity	L1-L2	1.0max	0.040max

NOTES: Each component lead shall be sandwiched between tapes for a minimum of 3.2mm (0.126")

4. PACKING

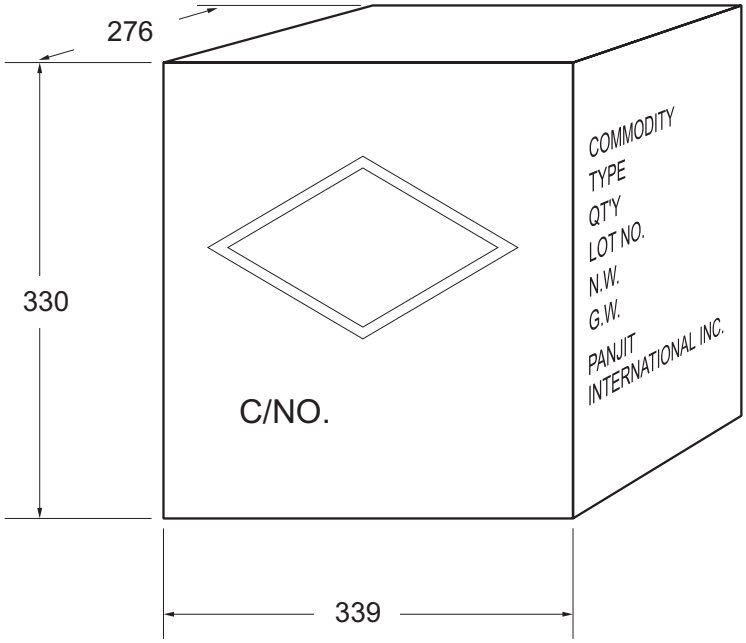
AMMUNTION PACKING



Box Dimensions : mm

Quantity per Box: 1,250 pcs

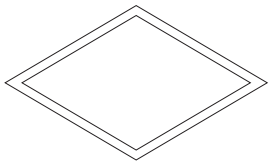
CARTON



Box Dimensions : mm

Quantity per Box: 10,000 pcs

SHIPPING MARK



C/NO.

PRODUCT COUNTRY

SIDE MARK

COMMODITY:
TYPE:
QT'Y:
LOT NO.
N.W.
G.W.

PANJIT
INTERNATIONAL INC.

Bulk Packing

PACKAGE	INNER SIZE (m/m)	BOX (EA)	CARTON SIZE (m/m)	CARTON (EA)	APPROX. GROSS WEIGHT (Kg)
Bulk Packing					
R-1	198 x 84 x 20	1,000	459 x 214 x 256	50,000	12.4
A-405	198 x 84 x 20	1,000	459 x 214 x 256	50,000	13.4
DO-35	96 x 80 x 42	10,000	410 x 350 x 275	120,000	21.5
DO-34	96 x 80 x 42	10,000	410 x 350 x 275	120,000	21.5
DO-41G	240 x 100 x 100	5,000	410 x 350 x 275	60,000	26.5
DO-41	198 x 84 x 20	1,000	459 x 214 x 256	50,000	19.1
DO-15	200 x 85 x 25	1,000	459 x 214 x 256	40,000	17.5
DO-201AE	200 x 85 x 40	500	459 x 214 x 256	12,500	17.0
DO-201AD	200 x 85 x 40	500	459 x 214 x 256	12,500	17.3
P600	208 x 90 x 83	500	459 x 214 x 256	5,000	11.3
AM	195 x 195 x 40	1,000	400 x 273 x 415	10,000	16.8
DIP	-	-	459 x 214 x 256	12,000	10.2
SDIP	-	-	459 x 214 x 256	24,000	15.5
FL	230 x 230 x 50	500	495 x 245 x 180	3,000	25.0
GBU	350 x 337 x 44	800	510 x 340 x 235	3,200	18.9
ITO/TO-220	555 x 145 x 95	2,000	570 x 306 x 218	8,000	13.4
GL	260 x 190 x 75	72	460 x 215 x 260	864	15.8
KBU	230 x 230 x 50	200	495 x 245 x 180	3,000	21.5
GBJ	352 x 337 x 44	600	375 x 360 x 213	2,400	13.1
TO-251AB	560 x 210 x 79	8,000	577 x 226 x 196	16,000	6.5
GBL	352 x 337 x 44	960	375 x 360 x 213	3,840	13.0
GBP	352 x 337 x 44	1,120	375 x 360 x 213	4,480	11.3
TO-3P	-	-	536 x 243 x 100	1,500	12.7
GBPC/W	195 x 195 x 41	50	460 x 215 x 260	500	9.8 / 8.8

Ammunition Packing

PACKAGE	AMMO (PCS)	COMPONENT SPACE (m/m)	TAPE SPACE (m/m)	BOX SIZE (m/m)	CARTON (m/m)	CARTON (E/A)	APPROX. GROSS WEIGHT (Kg)
Ammunition Packing							
R-1	5,000	5.0	26	255 x 50 x 150	339 x 276 x 330	60,000	12.4
R-1	5,000	5.0	52	255 x 75 x 150	339 x 276 x 330	40,000	12.4
A-405	5,000	5.0	26	255 x 50 x 150	339 x 276 x 330	60,000	13.4
A-405	5,000	5.0	52	255 x 75 x 150	339 x 276 x 330	40,000	13.4
DO-35	5,000	5.0	52	255 x 80 x 80	410 x 350 x 275	100,000	20.0
DO-34	5,000	5.0	26	248 x 80 x 48	410 x 335 x 265	150,000	15.5
DO-34	5,000	5.0	52	248 x 80 x 75	410 x 335 x 265	5,000	14.1
DO-41G	2,500	5.0	52	255 x 80 x 80	410 x 350 x 275	50,000	22.0
DO-41	5,000	5.0	52	255 x 75 x 150	339 x 276 x 330	40,000	19.1
DO-15	3,000	5.0	52	255 x 75 x 150	339 x 276 x 330	24,000	17.5
DO-201AE	1,250	10.0	52	255 x 75 x 150	339 x 276 x 330	10,000	17.0
DO-201AD	1,250	10.0	52	255 x 75 x 150	339 x 276 x 330	10,000	17.3
P600	400	10.0	52	255 x 75 x 150	339 x 276 x 330	3,200	11.3

Fax : 02-25215390 極象有限公司 Tel : 02-25651052

PACKAGE	REEL	COMPONENT SPACE	TAPE SPACE	REEL DIA	CARTON SIZE	CARTON	APPROX. GROSS WEIGHT
	(pcs)	(m/m)	(m/m)	(m/m)	(m/m)	(EA)	(Kg)
Reel Packing							
R-1	5,000	5.0	52	330	340 x 340 x 410	25,000	9.0
A-405	5,000	5.0	52	330	340 x 340 x 410	25,000	9.1
DO-34	10,000	5.0	52	360	360 x 360 x 395	50,000	9.5
DO-35	10,000	5.0	52	360	360 x 360 x 395	50,000	12.0
DO-41G	5,000	5.0	52	360	380 x 380 x 420	25,000	14.5
DO-41	5,000	5.0	52	330	360 x 360 x 395	25,000	13.0
DO-15	4,000	5.0	52	330	340 x 340 x 410	20,000	11.8
DO-201AE	1,250	10.0	52	330	340 x 340 x 410	6,250	11.0
DO-201AD	1,250	10.0	52	330	340 x 340 x 410	6,250	11.6
P600	800	10.0	52	330	340 x 340 x 410	4,000	11.4
SMA	7,500 / 1,800	4.0	-	330 / 178	375 x 360 x 390 / 390 x 240 x 420	120,000 / 72,000	17.5 / 8.3
SMB	3,000 / 500	4.0	-	330 / 178	375 x 360 x 390 / 390 x 240 x 420	48,000 / 20,000	13.6 / 7.5
SMC	3,000 / 500	12.0	-	330 / 178	375 x 360 x 390 / 390 x 240 x 420	42,000 / 15,000	16.2 / 7.3
SDIP	1,500	12.0	-	330	375 x 360 x 390	21,000	16.3
MDI	3,000 / 500	8.0	-	330 / 178	375 x 360 x 390	48,000 / 30,000	14.4
D^2PCK	800	16.0	-	330	375 x 360 x 390	6,400	15.6
TO-252	3,000	8.0	-	330	375 x 360 x 390	42,000	16.5
QFN 1.6 x 1.6	12,000 / 4,000	4.0	8	330/178	375 x 360 x 213 / 390 x 240 x 420	144,000 / 200,000	9.2 / 9.6
SOD-123	10,000 / 3,000	4.0	8	330 / 178	375 x 360 x 213 / 390 x 240 x 420	120,000 / 150,000	8.0 / 10.0
SOD-123FL	10,000 / 3,000	4.0	8	330 / 178	375 x 360 x 213 / 390 x 240 x 420	120,000 / 150,000	10.4 / 11.0
SOD-323	12,000 / 5,000	4.0	8	330 / 178	375 x 360 x 213 / 390 x 240 x 420	144,000 / 250,000	9.6 / 10.0
SOT-23	12,000 / 3,000	4.0	8	330 / 178	375 x 360 x 213 / 390 x 240 x 420	144,000 / 150,000	9.6 / 10.0
SOT-323	12,000 / 3,000	4.0	8	330 / 178	375 x 360 x 213 / 390 x 240 x 420	144,000 / 150,000	9.6 / 10.0
SOT-363	3,000	4.0	-	178	438 x 438 x 220	120,000	-
SOT-23-6L	3,000	4.0	-	178	438 x 438 x 220	120,000	-
MICRO-MELF	2,500	4.0	-	178	385 x 380 x 260	25,000	13.5
QUADRO-MELF	2,500	4.0	-	178	640 x 405 x 150	200,000	15.7
MINI-MELF	2,500	4.0	-	178	385 x 380 x 260	25,000	13.5
DL-41	1,500 / 5,000	4.0	-	330	385 x 380 x 260 / 360 x 360 x 395	100,000	14.0

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5. HIGH RELIABILITY TESTING SPEC.

NO	TEST ITEM	TEST CONDITION	REFERENCE DOCUMENT	LOT QUALITY LEVEL	REMARK
1	TEMPERATURE CYCLING (T.C.T)	Ta= -55+0,-3°C 10min Ta= +150+/-°C 10min FOR 20 CYCLE	MIL - STD - 750D METHOD - 1051.5	LTPD 10 S.s.=22 ACCEPT FOR 0 FAILURE ONLY.	
2	HIGH TEMPERATURE STORAGE LIFE (H.T.S.L)	Ta=150 +/- 5°C TESTING TIME: 168HRS 250HRS 500HRS	MIL-STD-750D METHOD-1031.2	LTPD10 S.s.=22 ACCEPT FOR 0 FAILURE ONLY.	
3	SOLDERABILITY TEST	TEMPERATURE OF SOLDER POT=260 +/- 5 TIME FOR DIPPING FLUX=5-10SEC TIME FOR DIPPING IN SOLDER=5+/-0.5SEC DIPPING DEPTH=0.05 inch max FOR ONE CYCLE	MIL-STD-750D	METHOD-2026.10 LTPD 7 S.s.=32 ACCEPT FOR 0 FAILURE ONLY.	
4	HIGH TEMPERATURE REVERSE BIAS (H.T.R.B)	Ta=150 +/- 5°C VR=80%VR(CUSTOM SECP) TESTING TIME: 48HRS 96HRS 168HRS 250HRS 500HRS	MIL-STD-750D METHOD-1038.3	LTPD10 S.s.=22 ACCEPT FOR 0 FAILURE ONLY.	
5	CONTINUE FORWARD OPERATING LIFE (C.F.O.L)	Ta=55 °C I=IO +/-10% TESTING TIME: 168HRS 250HRS 500HRS	MIL-STD-750D METHOD-1027.3	LTPD10 S.s.=22 ACCEPT FOR 0 FAILURE ONLY.	
6	THERMAL SHOCK (T.S.T)	HOT TANK T=100°C+10/-2°C t=5min COLD TANK T=0°C+2/-10°C t=5min 15 CYCLE TIME BETWEEN TRANSFERRING DO'NOT EXCEED 10 SECOND.	MIL-STD-750D METHOD-1056.7	LTPD10 S.s.=22 ACCEPT FOR 0 FAILURE ONLY.	
7	PRESSURE COOKER (P.C.T)	Ta=121°C P=1.2kg/cm^2 TIME=96HRS	JEDEC JESD22-A102-C	LTPD10 S.s.=22 ACCEPT FOR 0 FAILURE ONLY.	
8	INTERMITTENT FORWARD OPERATING LIFE (I.F.O.L)	I = Io x 1.0 POWER ON : 30SEC POWER OFF : 50SEC TESTING TIME: 2000 CYCLES	MIL-STD-750D METHOD 1036.3	LTPD10 S.s.=22 ACCEPT FOR 0 FAILURE ONLY.	
9	FORWARD SURGE CURRENT (I.F.S.M)	SQ WAVE OR SINE WAVE IFSM=DATE SHEET SPEC. TIME=8.3Msec T=1 CYCLE	MIL-STD-750D METHOD 4066.3	LTPD10 S.s.=22 ACCEPT FOR 0 FAILURE ONLY.	
10	HUMIDITY	Ta=85°C RH=85% TESTING TIME: 168HRS 250HRS 500HRS	MIL-STD-750D METHOD 1021.1	LTPD10 S.s.=22 ACCEPT FOR 0 FAILURE ONLY.	
11	SOLDERABILITY RESISTANCE	TEMPERATURE OF SOLDER POT =260+/-5°C TIME FOR DIPPING IN SOLDER =10+2/-0 SEC DIPPING DEPTH=1.57+/0.79 mm BELOW BODY FOR ONE CYCLE	MIL-STD-750D METHOD 2031.1	LTPD10 S.s.=22 ACCEPT FOR 0 FAILURE ONLY.	
SCHOTTKY PRODUCT TESTING TEMPERATURE 125 °C MAX(NORMAL)					