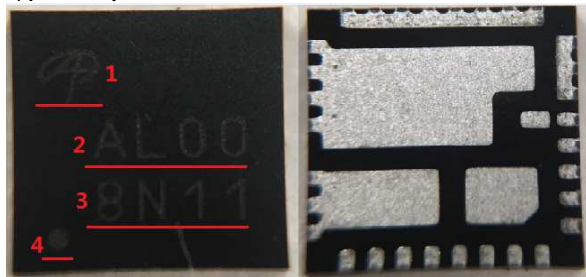


# IQC 檢驗重點

料號	10IFD-505332-00R	品名規格	DR MOS AOZ5332QI 50A AOS SMD QFN-31L 5*5
----	------------------	------	---

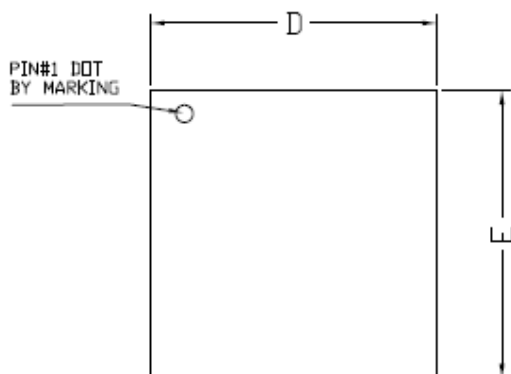
零件樣品圖：



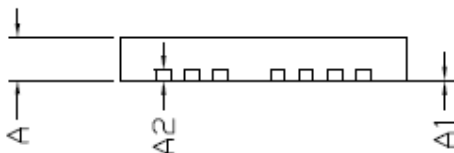
外觀文字面檢驗重點：

1. AOS LOGO (不可變)
2. AL00 : Part Number Code(不可變)
3. 8N11 : Data Code & Assmbl Lot Code(可變)
4. PIN1點(不可變)

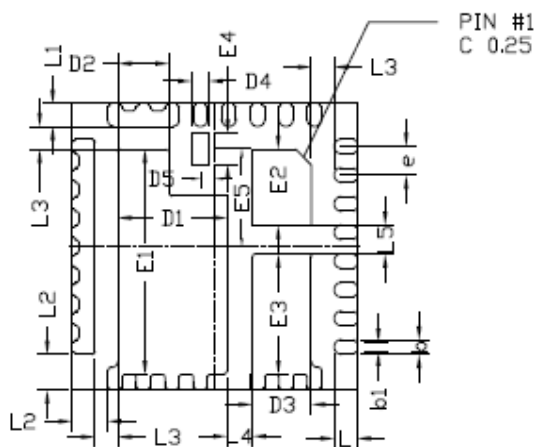
機構尺寸工程圖：



Top View



Side View



Bottom View

SYMBOLS	DIMENSION IN MM			DIMENSION IN INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.700	0.750	0.800	0.028	0.030	0.031
A1	0.000	-	0.050	0.000	-	0.002
A2	0.2REF			0.008REF		
D	4.900	5.000	5.100	0.193	0.197	0.201
E	4.900	5.000	5.100	0.193	0.197	0.201
D1	1.870	1.920	1.970	0.074	0.076	0.078
D2	0.850	0.900	0.950	0.033	0.035	0.037
D3	0.990	1.040	1.090	0.039	0.041	0.043
D4	0.250	0.300	0.350	0.010	0.012	0.014
D5	0.200	0.250	0.300	0.008	0.010	0.012
E1	3.875	3.925	3.975	0.153	0.155	0.156
E2	1.270	1.320	1.370	0.050	0.052	0.054
E3	2.050	2.100	2.150	0.081	0.083	0.085
E4	0.500	0.550	0.600	0.020	0.022	0.024
E5	1.661	1.711	1.761	0.065	0.067	0.069
L	0.350	0.400	0.450	0.014	0.016	0.018
L1	0.350	0.400	0.450	0.014	0.016	0.018
L2	0.575	0.625	0.675	0.023	0.025	0.027
L3	0.350	0.400	0.450	0.014	0.016	0.018
L4	0.400	0.450	0.500	0.016	0.018	0.020
L5	0.450	0.500	0.550	0.018	0.020	0.022
b	0.200	0.250	0.300	0.008	0.010	0.012
b1	0.130	0.180	0.230	0.005	0.007	0.009
e	0.50BSC			0.02BSC		

IQC電氣、機構檢驗重點：

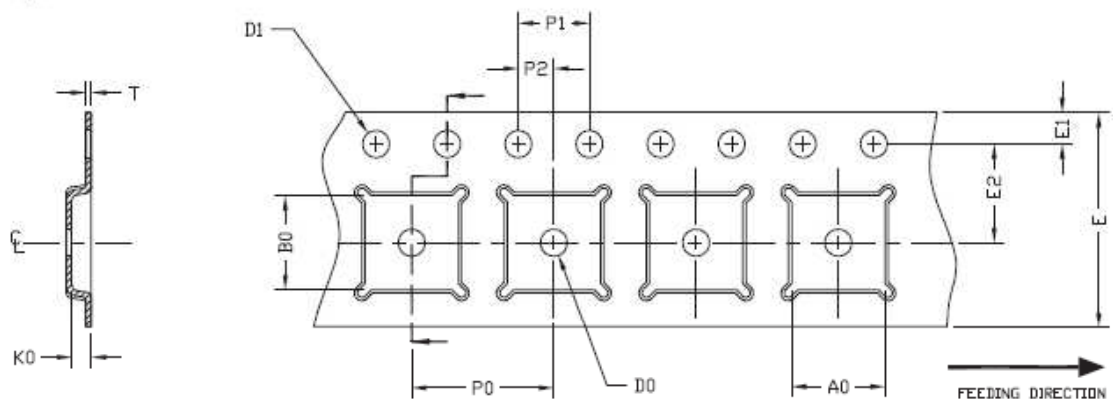
1. 量測各部尺寸須與規格值相符.
2. 檢視產品外觀，表面無異物，且不得有任何破損及變形.
3. 電氣特性檢驗：

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Units
V <sub>IN</sub>	Power Stage Power Supply		2.5		25	V
V <sub>CC</sub>	Low Voltage Bias Supply	PVCC=VCC	4.5		5.5	V
R <sub>θJC</sub> <sup>(4)</sup>	Thermal Resistance	PCB Temp = 100°C		2.5		°C/W
R <sub>θJA</sub> <sup>(4)</sup>				13.8		°C/W
Input Supply and UVLO						
V <sub>CCON</sub>	Under-Voltage Lockout	V <sub>CC</sub> Rising		3.5	3.3	V
V <sub>CC_HYST</sub>		V <sub>CC</sub> HYST		400		mV
I <sub>VCC</sub>	Control Circuit Bias Current	DISB# = 0V, V <sub>CC</sub> = 5V (Shutdown)		1		μA
		SMOD# = High, DISB# = High, V <sub>PWM</sub> = 0V (No Switching)		720		
		SMOD# = Low, DISB# = High, V <sub>PWM</sub> = 0V (No Switching)		590		
		SMOD# = Low, DISB# = High, V <sub>PWM</sub> = 1.65V (Tri-State, No Switching)		500		
I <sub>PVCC</sub>	Drive Circuit Operating Current	DISB# = High, V <sub>PWM</sub> = 400kHz, 20% Duty Cycle		20		mA
		DISB# = High, V <sub>PWM</sub> = 1MHz, 20% Duty Cycle		50		μA

4. 包裝方式如下, 詳細請查閱data sheet.

### Tape and Reel Dimensions, QFN5x5A\_31L\_EP3\_S

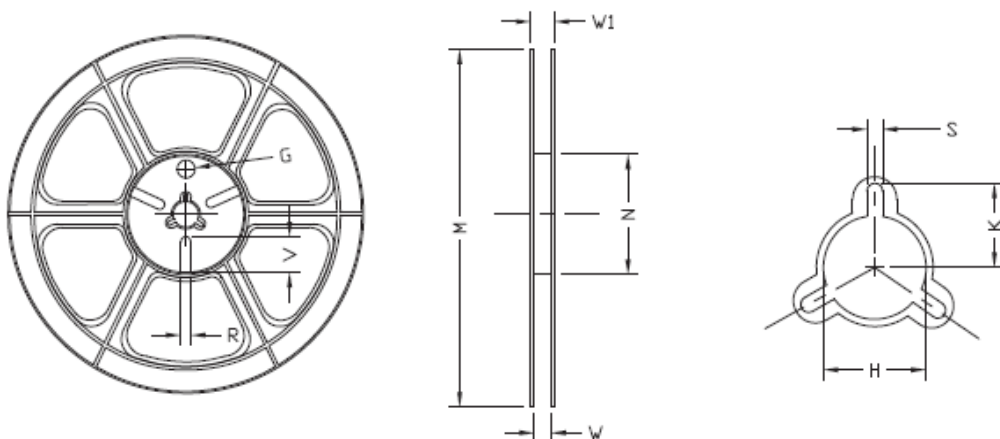
#### Carrier Tape



UNIT: MM

PACKAGE	A0	B0	K0	D0	D1	E	E1	E2	P0	P1	P2	T
QFN5x5 (12 mm)	5.25 ±0.10	5.25 ±0.10	1.10 ±0.10	1.50 MIN.	1.50 ±0.10	12.0 ±0.3	1.75 ±0.10	5.50 ±0.05	8.00 ±0.10	4.00 ±0.10	2.00 ±0.05	0.30 ±0.05

#### Reel



UNIT: MM

TAPE SIZE	REEL SIZE	M	N	W	W1	H	K	S	G	R	V
12 mm	φ330	φ330.0 ±2.0	φ79.0 ±1.0	12.4 ±0.05	17.0 ±0.12	φ13.0 ±0.5	10.5 ±0.2	2.0 ±0.5	---	---	---

μ-EDX 有害物質檢測：

μ-EDX 需依照HCSR 有害物質管制規範實施檢測，並參照IQC EDX Test Guide 規範。

Date：2018/10/25

Rev. 00

首次發行