



Surface Mount Low Profile Tantalum Capacitors

277 Series Specifications

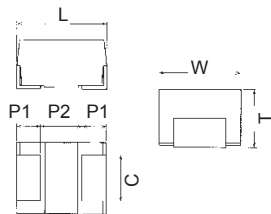
Part Number Determination

277E1002686KRD3-881							
277	E	1002	686	K	R	D3	-881
TYPE	FAILURE RATE	VOLTAGE	CAPACITANCE	TOLERANCE	PACKAGING	Case Size	Special Product Code
Low Profile Tantalum Capacitors	L=2%/1000h M=1%/1000h E=1%/1000h N=0.5%/1000h P=0.1%/1000h R=0.01%/1000h A=N/A	4001=4V 6301=6.3V 1002=10V 1602=16V 2002=20V 2502=25V 3502=35V 5002=50V	In pF 2 Significant digits + 1 multiplier 104=0.1uF 105=1uF 686=68uF	F=±1% G=±2% J=±5% K=±10% M=±20%	R=7" Reel / Anode band away from sprocket holes N=13" Reel / Anode band away from sprocket holes L=7" Reel / Anode band next to the sprocket holes P=13" Reel / Anode band next to the sprocket holes	A=A Case B=B Case C3=C3 Case D3=D3 Case	

Electrical Characteristics

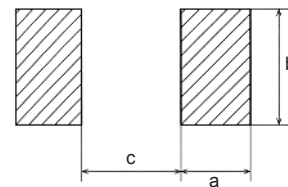
Part Number	Cap (uF)	Case Code	Max DC Leakage Current (uA)			Max Dissipation Factor				Max ESR (Ω) 10kHz
			25°C	85°C	125°C	-55°C	20°C	85°C	125°C	
277E1002106KRA-800	10	A								10
277E6301106KRB-881	10	B	0.6	6	7.9	0.12	0.08	0.08	0.10	2
277M6301336KRB-881	33	B								2.5
277E1002686KRD3-881	68	D3								0.5
277E1002157MRD3-881	150	D3								0.5
277E1002227MRD3-881	220	D3								0.15

Package Dimensions (mm)



Case Code	EIA Code	L±0.2	W±0.2	T±0.2	P1±0.2	P2 Min	C±0.1
A	3216	3.2	1.6	1.2	0.8	1.4	1.2
B	3528	3.5	2.8	1.2	0.8	1.5	2.2
C3							
D3	7343	7.3	4.4	2.8	1.3	4.0	2.4

Land Pattern in(mm)



Case Code	a		b	c
	Flow	Reflow		
A	0.118(3.0)	0.079(2.0)	0.059(1.5)	0.059(1.5)
B	0.126(3.2)	0.079(2.0)	0.094(2.4)	0.071(1.8)
C3	0.165(4.2)	0.094(2.4)	0.098(2.5)	0.130(3.3)
D3	0.205(5.2)	0.094(2.4)	0.106(2.7)	0.181(4.6)