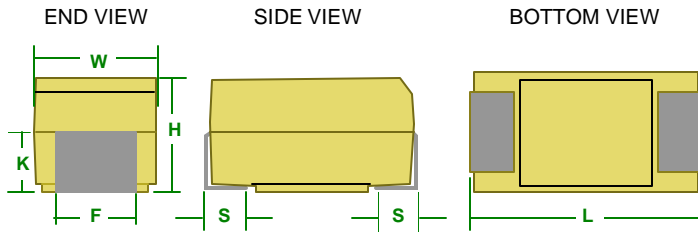
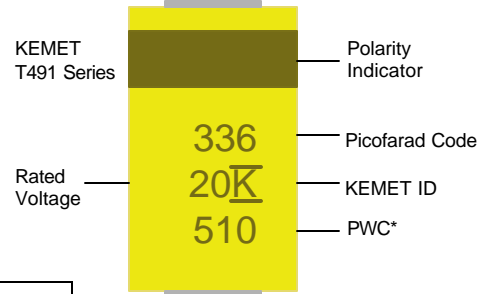


T49x Series - KEMET Tantalum Chip Capacitor
Product Specification –December 19, 2005

Component Outline Drawing



Component Marking



* 510 = 10th week of 2005

Case Codes		Component Dimensions					
		L	W	H	K Min	F ± 0.1	S ± 0.3
KEMET	EIA						
A	3216-18	3.2±0.2	1.6±0.2	1.6±0.2	0.7	1.2	0.8
B	3528-21	3.5±0.2	2.8±0.2	1.9±0.2	0.9	2.2	0.8
T	3528-12	3.5±0.2	2.8±0.2	1.2 max	0.3	2.2	0.8
C	6032-28	6.0±0.3	3.2±0.3	2.5±0.3	1.2	2.2	1.3
D	7343-31	7.3±0.3	4.3±0.3	2.8±0.3	1.3	2.4	1.3
X	7343-43	7.3±0.3	4.3±0.3	4.0±0.3	2.1	2.4	1.3
E	7260-38	7.3±0.3	6.0±0.3	3.6±0.2	2.1	4.1	1.3

Part Number and Electrical Specification Table

KEMET Part Number	Case	Cap	Voltage	DCL V _R	DF 120Hz	T491 ESR 100kHz	T494 ESR 100kHz
T49#B227M004A*	B/3528-21	220 µF	4 V	8.8 µA	18 %	0.5 Ω	0.4 Ω
T49#E477(1)006A*	E/7260-38	470 µF	6.3 V	29.6 µA	10 %	0.4 Ω	0.2 Ω
T49#E337(1)010A*	E/7260-38	330 µF	10 V	33.0 µA	10 %	0.5 Ω	0.25 Ω
T49#A685M020A*	A/3216-18	6.8 µF	20 V	1.4 µA	8 %	6.0 Ω	3.0 Ω
T49#E107(1)020A*	E/7260-38	100 µF	20 V	20.0 µA	8 %	0.5 Ω	0.3 Ω
T49#A475M025A*	A/3216-18	4.7 µF	25 V	1.2 µA	8 %	6.0 Ω	3.0 Ω

Insert I for T491 ESR level or 4 for T494 ESR level

(1) Insert M for +/-20% or K for +/-10%

* Insert "T" for 100% tin (Sn) termination, "H" for tin/lead (Sn/Pb) termination

Land Pattern Dimensions for Reflow Solder

KEMET/EIA Size Code	Pad Dimensions				
	Z	G	X	Y (ref)	C (ref)
A/3216-18	4.70	0.80	1.50	1.95	2.75
B/3528-21 / T/3528-12	5.00	1.10	2.50	1.95	3.05
C/6032-28	7.60	2.50	2.50	2.55	5.05
D/7343-31	8.90	3.80	2.70	2.55	6.35
X/7343-43	8.90	3.80	2.70	2.55	6.35
E/7260-38	8.90	3.80	4.40	2.55	6.35

Packaging Specifications

Case Codes		Tape and Reel Dimensions				
KEMET	EIA	Tape Width mm	Pitch mm ±0.1		Reel Quantity	
			Part	Sprocket	180mm (7" dia)	330mm (13" dia)
A	3216-18	8±0.3	8	4	2000	9000
B	3528-21	8±0.3	8	4	2000	8000
T	3528-12	8±0.3	8	4	2500	10000
C	6032-28	12±0.3	8	4	500	3000
D	7343-31	12±0.3	8	4	500	2500
X	7343-43	12±0.3	8	4	500	2000
E	7260-38	12±0.3	8	4	500	2000