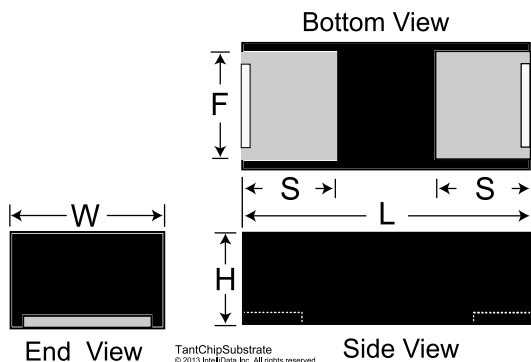


Capacitor, Tantalum, SMD, Polymer, Substrate, 47 uF, 2012, +/-20% Tol, -55/+105C, 10 VDC (85C)



TantChipSubstrate  
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**General Information**

<b>Supplier:</b>	KEMET
<b>Application:</b>	General Purpose
<b>Sub Application:</b>	(NonCombustibleCathode)
<b>Part Type Description:</b>	SMD, Polymer, Substrate
<b>Construction:</b>	Substrate-Polymer
<b>Body Type:</b>	SMD Chip
<b>Footprint:</b>	2012
<b>RoHS:</b>	Yes

**Specifications**

<b>Capacitance:</b>	47 uF
<b>Tolerance:</b>	+/-20%
<b>Voltage:</b>	10 VDC (85C)
<b>Voltage:</b>	8 VDC (105C)
<b>Temperature Range:</b>	-55/+105C
<b>Current/Ripple Current:</b>	510 mAmps (100kHz 45C)
<b>Current/Ripple Current:</b>	459 mAmps (85C)
<b>Current/Ripple Current:</b>	204 mAmps (105C)
<b>Resistance/ESR:</b>	200 mOhms (100kHz 25C)
<b>Failure Rate:</b>	N/A
<b>Leakage Current:</b>	141 uA
<b>Dissipation Factor:</b>	6%
<b>Miscellaneous:</b>	Not recommended for new designs. Please use the T521 version of this part.

**Dimensions (mm)**

Symbol	Dimension	Tolerance
L	2	+/-0.1
W	1.25	+/-0.1
H	1	MAX
F	0.9	+/-0.1
S	0.55	+/-0.1

**Packaging Specifications**

<b>Package Kind:</b>	T&R
<b>Package Size:</b>	7 in/180 mm
<b>Package Quantity:</b>	3000