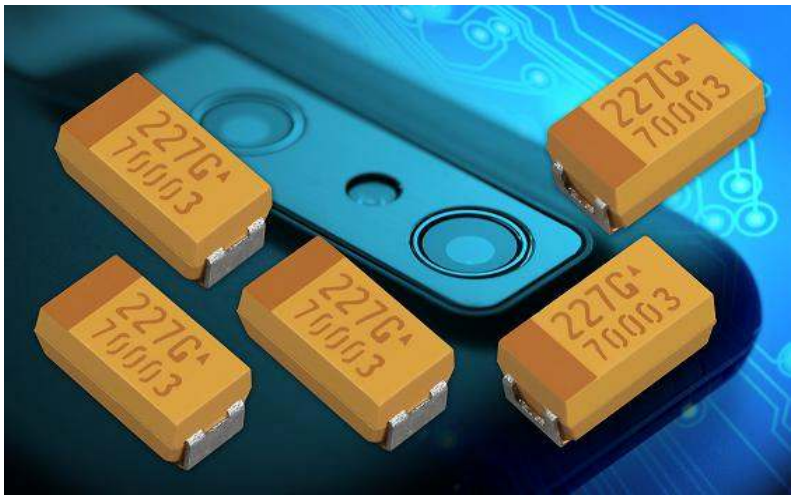
Tantalum Product - **TLJ** Consumer Series

PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	47 µF	
Capacitance Tolerance (*)	M = ± 20%	
Rated Voltage (V_R)	≤ 40°C	6.3 V
Category Voltage (V_C)	≤ 85°C	3.2 V
Category Voltage (V_C)	≤ 125°C	1.3 V
Temperature Range with cat. Voltage	-55°C to +125°C	
Direct Leakage Current max. @ V_R	2.8 µA	
ESR max. @ 100kHz	3.2 Ohm	
Maximum Surge Current	0.9 A	
Typical weight (R case)	10 mg	



RoHS COMPLIANT

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

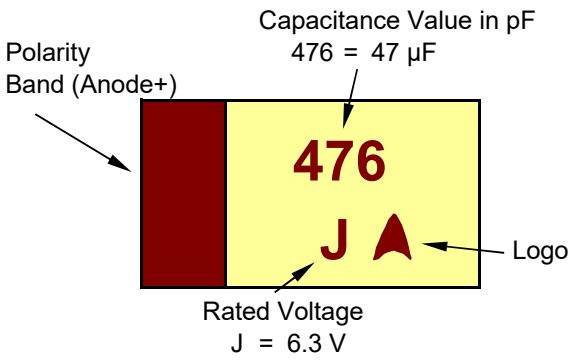
Moisture sensitivity level: meets MSL 3
Reflow specification: meets J-STD-020 standard
100% surge current tested
All technical data relates to an ambient temperature of +25 °C, Capacitance is measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes.
ESR allowed to move up to 1.25 times catalogue limit post mounting, DCL allowed to move up to 2 times catalogue limit post
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards

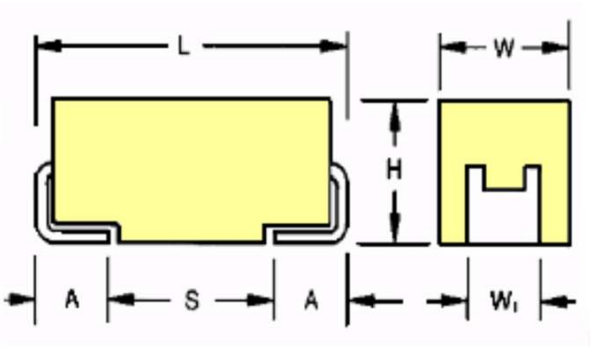
RMS value of Ripple Current (mA) @100kHz			RMS value of Ripple Voltage (mV) @100kHz		
25˚C	85˚C	125˚C	25˚C	85˚C	125˚C
131	118	52	420	378	168

HOW TO ORDER:

TLJ	R	476	M	006	#	3200
Type	Case code	Capacitance Value	Cap. Tolerance	Rated DC	Packaging	ESR in mOhms

DRAWING AND DIMENSIONS:





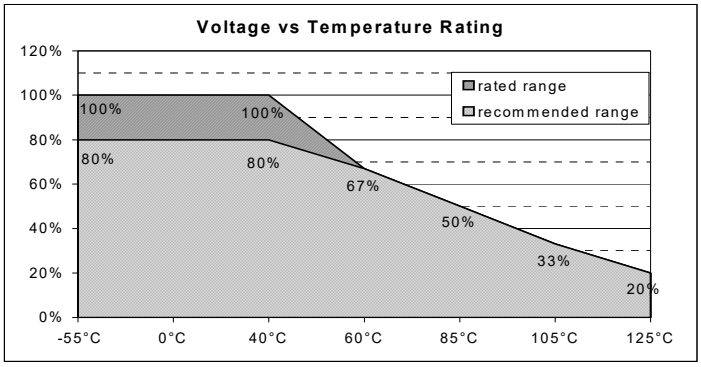
Tantalum Product - **TLJ** Consumer Series

CASE DIMENSIONS: millimetres

Case							
EIA	Size	L ±0.2	W +0.2 –0.1	H max.	A +0.3 –0.2	S min.	W1 ±0.1
2012-12	R	2.05	1.3	1.2	0.5	0.85	1.0

PACKAGING INFORMATION:

Reel Size (#)	R = 7" Reel Pure Tin Termination	S = 13" Reel Pure Tin Termination	A = 7" Reel Gold Plated Termination	B = 13" Reel Gold Plated Termination
Quantity	2500	10000	2500	10000
Tape Width	8 mm	8 mm	8 mm	8 mm



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