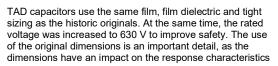


TAD - FOIL to FILM Capacitors "Mustard"-Caps

The TAD film capacitors are manufactured to the same specifications as the mustard yellow capacitors originally made by Mullard $^{\text{TM}}$ and Phillips $^{\text{TM}}$. They were used in many vintage Marshall $^{\text{TM}}$, Vox^{TM} , $\text{Hiwatt}^{\text{TM}}$ guitar amplifiers from the UK.



The TAD capacitors take care of the harmonics and produce a smooth, yet transparent, dense lower midrange and airy highs that breathe life into tube amps.



Characteristics

Part number:	Capacitance nF	Rated Voltage VDC	Toler- ance %	Test Voltage V	DF 10Hz MAX (%)	Dimension(mm)		
						L	D	dФ
V-MC1	1.0	630	10	1100	0.1	18	8	0.8
V-MC2	2.2	630	10	1100	0.1	22	7.5	0.8
V-MC4	4.7	630	10	1100	0.1	22	7.5	0.8
V-MC10	10	630	10	1100	0.1	22	9	0.8
V-MC22	22	630	10	1100	0.1	22	8.5	0.8
V-MC33	33	630	10	1100	0.1	20	12	0.8
V-MC47	47	630	10	1100	0.1	22	11.5	0.8
V-MC68	68	630	10	1100	0.1	20	16	0.8
V-MC100	100	630	10	1100	0.2	32	10	0.8
V-MC150	150	630	10	1100	0.2	32	12	0.8
V-MC220	220	630	10	1100	0.2	32	14.5	0.8
V-MC470	470	630	10	1100	0.2	37	19.5	0.8
V-MC680-160	680	160	10	250	0.2	30	17.5	0.8
V-MC1K-160	1000	160	10	250	0,2	22	12.5	0.8

Main Specific Reference Data & Test Method:

Item	Performance	Test method	AQL(%)			
Capacitance	See list above	Test frequency:1.0±0.02KHz Test voltage: ≤1V Test temperature:25°C	0.25			
Withstand Voltage	See list	Test voltage applied between terminals	0.25			
Dissipation factor	See list	Test frequency:10KHz Test voltage: ≤1V Test temperature:25°C	0.25			
Insulation Resistance	C≤0.33uF IR≥30GΩ C>0.33uF IR≥10GΩ•uF	Test voltage:100VDC Test time: Reading after 1 minute				
Operating Temperature	-40°C / +85°C					
Climatic Category	40 / 085 / 21					

^{*} The capacitors are completely compliant with directive 2011/65/EC of the European parliament and of the council of June 8, 2013 on the restriction of the use of certain hazardous substances (RoHS) in electrical and electronic equipment.

