

Overview

The R46 Series is constructed of metallized polypropylene film

classification. Intended for use in situations where capacitor

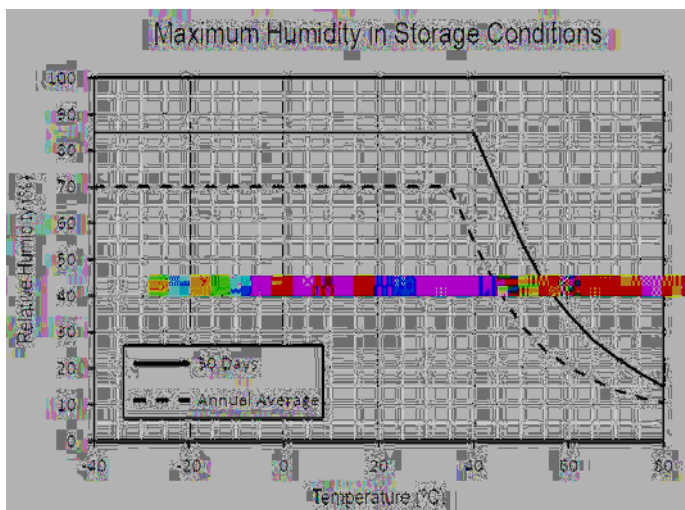


- Operating temperature range of -40°C to $+110^{\circ}\text{C}$

R46						M
			represent significant figures. The first digit specifies			

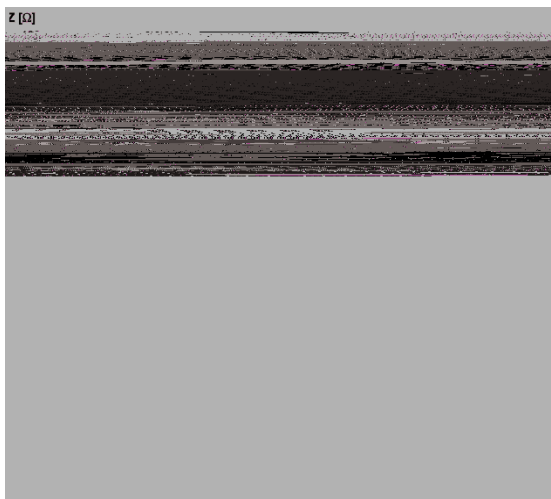


	Polypropylene flm
	Plastic case, thermosetting resin filled. Box material is solvent resistant and fame retardant according to UL94.
	E6 series (IEC 60063) measured @ 1 kHz and +20 ±1°C
	-40°C to +110°C
	Storage time: ≤ 24 months from the date marked on the label package
	Average relative humidity per year ≤ 70%
	RH ≤ 85% for 30 days randomly distributed throughout the year
	-40 to 80°C (see "Maximum Humidity in Storage Conditions" graph below)






Dissipation Factor ($\tan\delta$)	$\leq 0.1\%$ (0.06%*) @ 1 kHz , +25°C $\pm 5^\circ\text{C}$ (* typical value)		
	Measured at +25°C $\pm 5^\circ\text{C}$, according to IEC 60384-2		
		$C \leq 0.33 \mu\text{F}$	$C > 0.33 \mu\text{F}$
		$\geq 1 \cdot 10 \text{ M}\Omega$ ($\geq 5 \cdot 10 \text{ M}\Omega$)*	$\geq 30,000 \text{ M}\Omega \cdot \mu\text{F}$ ($\geq 150,000 \text{ M}\Omega \cdot \mu\text{F}$)*
	Recommended voltage $\leq 630 \text{ VDC}$		

* Typical value



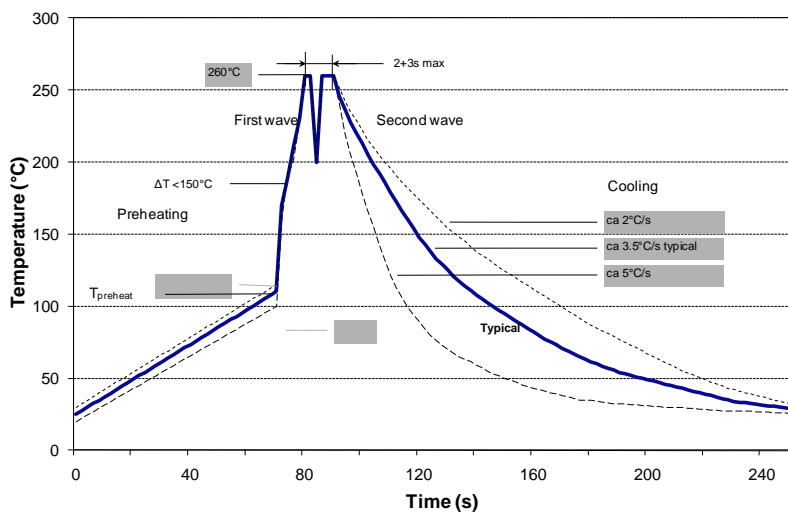
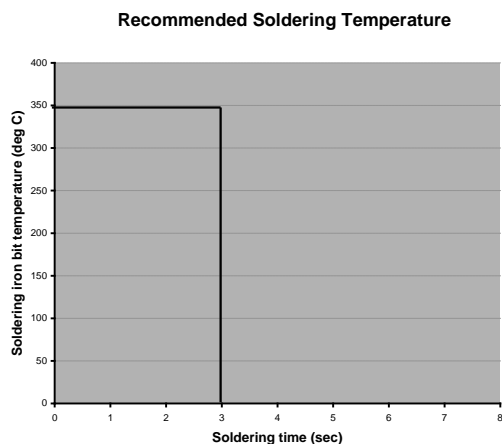
		+ 20 surge pulses at 2.5 kV (pulse every 5 seconds)
		IEC 60384-1, IEC 60695-11-5 Needle fame test
		+40°C and 93% RH, 56 days

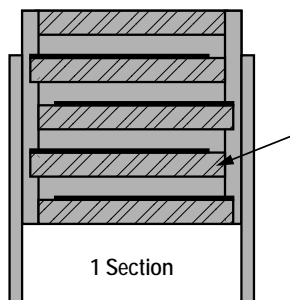
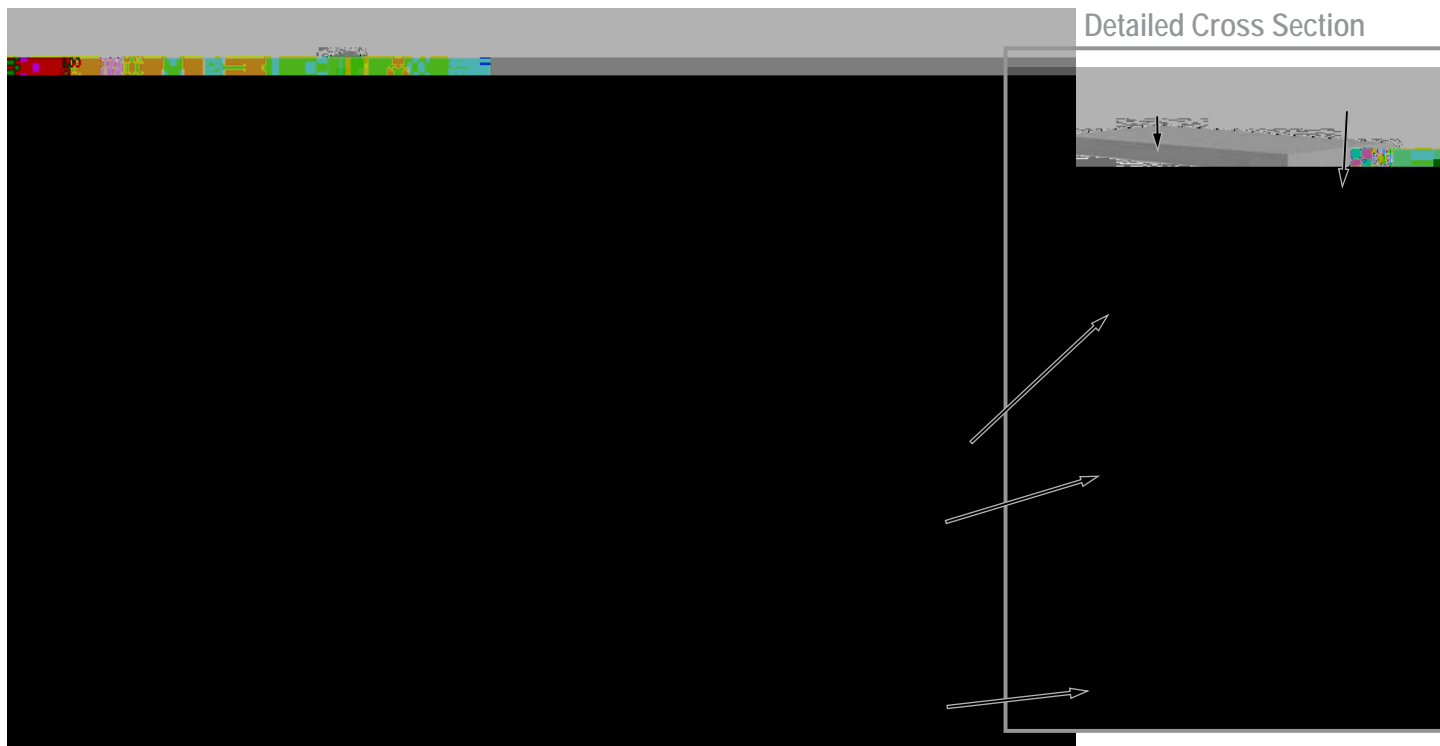
recommended solder profiles from KEMET should be used. Please consult KEMET with any questions. In general, the wave soldering curve

Reflow soldering is not recommended for through-hole film capacitors. Exposing capacitors to a soldering profile in excess of the above the

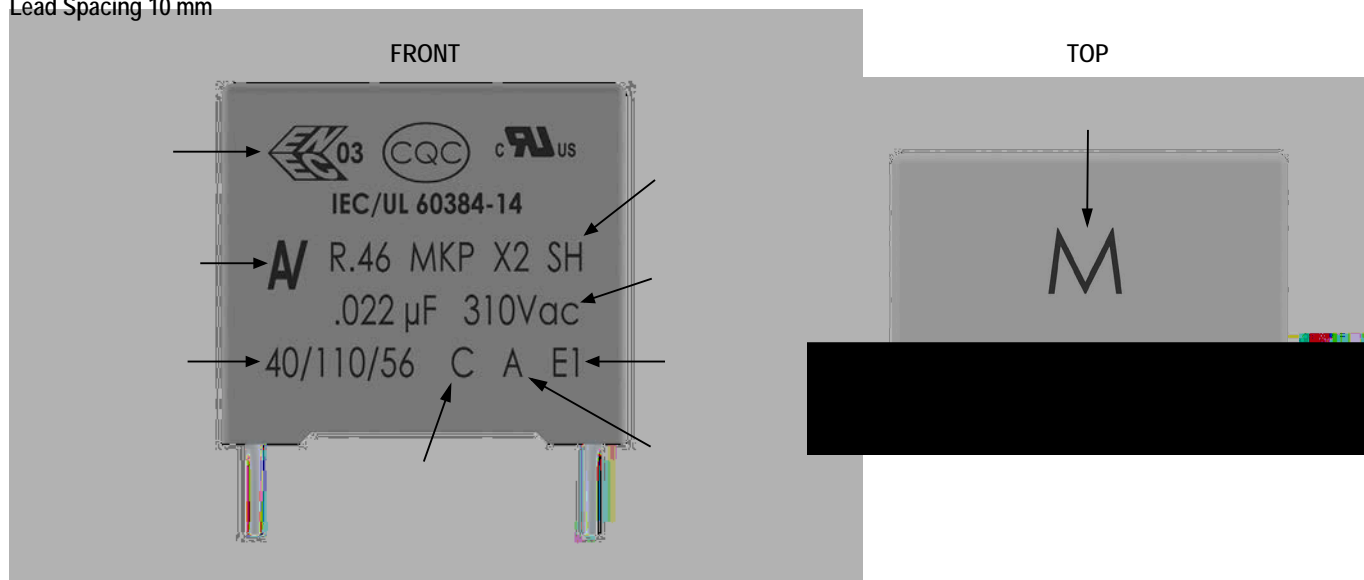
hole parts after the curing of surface mount parts. Consult KEMET to discuss the actual temperature profile in the oven, if through-hole



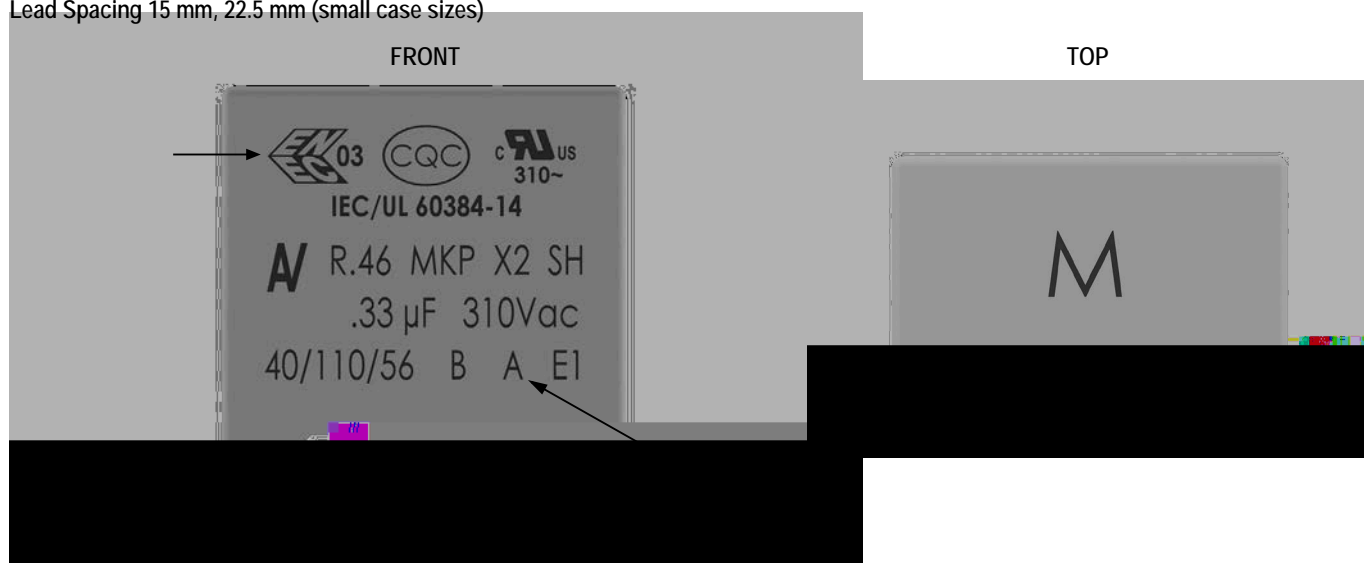
at 350°C (+10°C maximum) with the soldering



Lead Spacing 10 mm

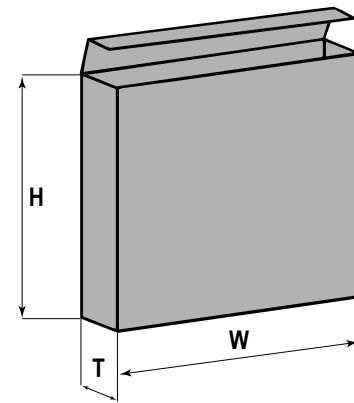


Lead Spacing 15 mm, 22.5 mm (small case sizes)

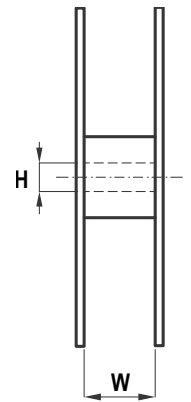
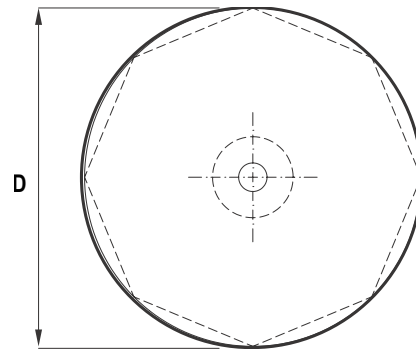


Lead Spacing						Reel	Large Reel	

H		
W		



Reel Size			
	D	H	W



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