

MH Ceramic Capacitor

Lead Free Ceramic Capacitor in Molded SM Leadframe



The MH components use a X7R high capacitance value ceramic capacitor in a surface mount precision made moulded case.

The MH capacitor combine the ceramic attributes of very low ESR, non-polar construction, excellent high frequency behaviour and voltage stress capabilities and wide temperature range; with the enhanced mechanical protection of a moulded case. The moulded case is UL94 V-0 flame retardant and the MH is RoHS and also AEC-Q200 compliant.

The MH range provides a lead frame solution to customers who have previously been unable to use large case ceramic capacitors because of mechanical stressing concerns.

For those applications where a tin termination is not acceptable, a Tin/Lead termination is available.

FEATURES

- Capacitance: 2.2u F – 22 μ F
- MHs are AEC-Q200 compliant
- Voltage Range DC: 25V – 100V
- Enhanced thermo mechanical stress resistance.

HOW TO ORDER

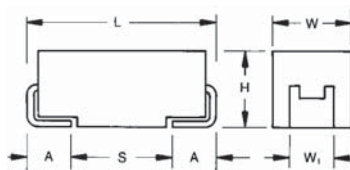
MH	V	1	1	C	475	M	A	T	2	A
MH Series	Case Size see table below	MLCC Count	Voltage 3 = 25V 5 = 50V 1 = 100V	Dielectric C = X7R	Capacitance Code (In pF) 2 Sig. Digits + Number of Zeros	Capacitance Tolerance K = $\pm 10\%$ M = $\pm 20\%$	Failure Rate A = Not Applicable	Terminations T = Tin Plated B = Tin/Lead Plated	Packaging 2 = 7" Reel 4 = 13" Reel 6 = Waffle Pack	Special Code A = Std. Product

MH X7R RANGE

	Cap μ F	25V	50V	100V
225	2.2			
335	3.3			
475	4.7			
685	6.8			
106	10			
156	15			
226	22			

“V” CASE DIMENSIONS: millimeters (inches)

L	7.3 \pm 0.2 0 (0.287 \pm 0.008)
W	6.1 + 0.20 - 0.10 (0.24 + 0.008 - 0.004)
H	3.45 \pm 0.30 (0.136 \pm 0.012)
W₁	3.1 \pm 0.20 (0.120 \pm 0.008)
A	1.4 + 0.30 - 0.20 (0.055 + 0.012 - 0.008)
S Min	4.40 (0.173)



PACKAGING QUANTITY

7" Reels	400
13" Reels	1500
Waffle Pack	108



LEAD-FREE
LEAD-FREE COMPATIBLE
COMPONENT



RoHS
COMPLIANT

TS 16949, ISO 14001
Certified Manufacture



Performance of SMPS capacitors can be simulated by downloading SpiCalci software program -
<http://www.avx.com/SpiApps/default.asp#spicalci>

