

## Sample Kit

### Low Ohmic Thin Film MELF Resistors

### MMU 0102, MMA 0204, MMB 0207



Files contain lengths of blister tape, each holding 20 resistors. The kit contains every value of the E 12-series. Parts are sorted in the ascending order of their resistance value and are appropriately marked.

#### FEATURES

- Three case sizes in one kit
- Approved to EN 140401-803
- AEC-Q200 qualified
- Advanced metal film technology
- Best in class pulse load capability
- Intrinsic sulfur resistance
- Material categorization:  
for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)

AUTOMOTIVE  
GRADE

**RoHS**  
COMPLIANT  
HALOGEN  
**FREE**  
**GREEN**  
(5-2008)

#### SPECIFICATIONS

Laboratory kit	LML 12/1		
Description	MMU 0102	MMA 0204	MMB 0207
Temperature coefficient	$\pm 50$ ppm/K	$\pm 50$ ppm/K	$\pm 50$ ppm/K; $\pm 100$ ppm/K
Tolerance	$\pm 2\%$ ; $\pm 5\%$	$\pm 1\%$	$\pm 1\%$ ; $\pm 2\%$
Resistance range / E-series	0.22 $\Omega$ to 9.1 $\Omega$ / every value of E 12 <sup>(1)</sup>	0.22 $\Omega$ to 9.1 $\Omega$ / every value of E 12 <sup>(1)</sup>	0.1 $\Omega$ to 9.1 $\Omega$ / every value of E 12 <sup>(2)</sup>
Number of resistance values	22	22	27
Resistors per value / total	20 / 440	20 / 440	20 / 540
Number of pages / files	8 / 1		

#### Notes

- The products are specified by the underlying standard product's datasheet "Professional Thin Film MELF Resistors" in its most current edition at [www.vishay.com/doc?28713](http://www.vishay.com/doc?28713).
- <sup>(1)</sup> Supplemented by 0.91  $\Omega$  and 9.1  $\Omega$ .
- <sup>(2)</sup> Supplemented by 0.2  $\Omega$ , 0.91  $\Omega$ , and 9.1  $\Omega$ .

#### PART NUMBER AND PRODUCT DESCRIPTION

Part number	LML121MELF0CBFGJ00
Product Description	LML 12 1 MELF 50 100 1 % 2 % 5 %

#### Note

- The product can be ordered using either the PART NUMBER or the PRODUCT DESCRIPTION.

#### TABLE OF CONTENTS

TYPE / SIZE	TCR	TOLERANCE	RESISTANCE	E-SERIES
MMU 0102	$\pm 50$ ppm/K	$\pm 5\%$	0.22 $\Omega$ to 0.91 $\Omega$	E12
		$\pm 2\%$	1 $\Omega$ to 9.1 $\Omega$	
MMA 0204	$\pm 50$ ppm/K	$\pm 1\%$	0.22 $\Omega$ to 0.91 $\Omega$ <sup>(1)</sup>	
			1 $\Omega$ to 9.1 $\Omega$	
MMB 0207	$\pm 100$ ppm/K	$\pm 2\%$	0.1 $\Omega$ to 0.2 $\Omega$ <sup>(1)</sup>	
	$\pm 50$ ppm/K	$\pm 1\%$	0.22 $\Omega$ to 0.91 $\Omega$ <sup>(1)</sup>	
			1 $\Omega$ to 9.1 $\Omega$	

#### Note

- <sup>(1)</sup> Approval according to EN 140401-803 not available.

# Mouser Electronics

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[LML121MELF0CBFGJ00](#)