

MERITEK

ELECTRONICS CORPORATION

MLR1206

MODEL	Power Rating (Watts)	Resistance Range (Ω)	Tolerance	TCR (ppm/ $^{\circ}$ C)	DIMENSIONS in inches (millimeters)				
					Ω	L	W	H	T
MLR1206ZH	0.5	0.002-0.050	$\pm 0.5\%$ / $\pm 1.0\%$ / $\pm 5.0\%$	0.002 Ω -0.004 Ω =+50 0.005 Ω -0.015 Ω =-25 0.016 Ω -0.050 Ω =-15	0.002-0.050	0.13 ± 0.010 (3.30 ± 0.254)	0.071 ± 0.010 (1.80 ± 0.254)	0.029 ± 0.010 (0.750 ± 0.254)	0.02 ± 0.010 (0.50 ± 0.254)

MLR1612

MODEL	Power Rating (Watts)	Resistance Range (Ω)	Tolerance	TCR (ppm/ $^{\circ}$ C)	DIMENSIONS in inches (millimeters)				
					Ω	L	W	H	T
MLR1612Z1	1	0.0005-0.100	$\pm 0.5\%$ / $\pm 1.0\%$ / $\pm 5.0\%$	0.0005 Ω -0.0015 Ω =+50 0.002 Ω -0.015 Ω =-25 0.016 Ω -0.100 Ω =-15	0.0005-0.100	0.161 ± 0.010 (4.1 ± 0.254)	0.12 ± 0.010 (3.1 ± 0.254)	0.031 ± 0.010 (0.8 ± 0.254)	0.026 ± 0.010 (0.7 ± 0.254)

MLR2010

MODEL	Power Rating (Watts)	Resistance Range (Ω)	Tolerance	TCR (ppm/ $^{\circ}$ C)	DIMENSIONS in inches (millimeters)				
					Ω	L	W	H	T
MLR2010Z1	1	0.0005-0.100	$\pm 0.5\%$ / $\pm 1.0\%$ / $\pm 5.0\%$	0.0005 Ω -0.003 Ω =+50 0.004 Ω -0.069 Ω =-25 0.007 Ω -0.100 Ω =-15	0.0005-0.100	0.20 ± 0.010 (5.1 ± 0.254)	0.10 ± 0.010 (2.54 ± 0.254)	0.031 ± 0.010 (0.8 ± 0.254)	0.031 ± 0.010 (0.8 ± 0.254)

MLR2512

MODEL	Power Rating (Watts)	Resistance Range (Ω)	Tolerance	TCR (ppm/ $^{\circ}$ C)	DIMENSIONS in inches (millimeters)				
					Ω	L	W	H	T
MLR2512Z1	1.0	0.007-0.200	$\pm 0.5\%$	0.0005 Ω -0.003 Ω = +50	0.0005-0.004	0.246 ± 0.010 (6.25 ± 0.254)	0.13 ± 0.010 (3.30 ± 0.254)	0.031 ± 0.010 (0.80 ± 0.254)	0.074 ± 0.010 (1.88 ± 0.254)
		0.0005-0.200	$\pm 1.0\%$ / $\pm 5.0\%$	0.004 Ω -0.0069 Ω = -25 0.007 Ω -0.200 Ω = -15	0.005-0.200	0.246 ± 0.010 (6.25 ± 0.254)	0.13 ± 0.010 (3.30 ± 0.254)	0.031 ± 0.010 (0.80 ± 0.254)	0.044 ± 0.010 (1.13 ± 0.254)
MLR2512ZA	1.5	0.007-0.200	$\pm 0.5\%$	0.0005 Ω -0.003 Ω = +50	0.0005-0.004	0.246 ± 0.010 (6.25 ± 0.254)	0.13 ± 0.010 (3.30 ± 0.254)	0.031 ± 0.010 (0.80 ± 0.254)	0.074 ± 0.010 (1.88 ± 0.254)
		0.0005-0.200	$\pm 1.0\%$ / $\pm 5.0\%$	0.004 Ω -0.0069 Ω = -25 0.007 Ω -0.200 Ω = -15	0.005-0.200	0.246 ± 0.010 (6.25 ± 0.254)	0.13 ± 0.010 (3.30 ± 0.254)	0.031 ± 0.010 (0.80 ± 0.254)	0.044 ± 0.010 (1.13 ± 0.254)
MLR2512Z2	2.0	0.007-0.075	$\pm 0.5\%$	0.0005 Ω -0.003 Ω = +50	0.0005-0.004	0.246 ± 0.010 (6.25 ± 0.254)	0.13 ± 0.010 (3.30 ± 0.254)	0.031 ± 0.010 (0.80 ± 0.254)	0.074 ± 0.010 (1.88 ± 0.254)
		0.0005-0.075	$\pm 1.0\%$ / $\pm 5.0\%$	0.004 Ω -0.0069 Ω = -25 0.007 Ω -0.075 Ω = -15	0.005-0.075	0.246 ± 0.010 (6.25 ± 0.254)	0.13 ± 0.010 (3.30 ± 0.254)	0.031 ± 0.010 (0.80 ± 0.254)	0.044 ± 0.010 (1.13 ± 0.254)
MLR2512Z3	3.0	0.0005-0.010	$\pm 0.5\%$ / $\pm 1.0\%$ / $\pm 5.0\%$	0.0005 Ω -0.002 Ω =+50	0.0005-0.0015	0.246 ± 0.010 (6.25 ± 0.254)	0.13 ± 0.010 (3.30 ± 0.254)	0.031 ± 0.010 (0.80 ± 0.254)	0.074 ± 0.010 (1.88 ± 0.254)
				0.003 Ω -0.010 Ω =-25	0.002-0.010	0.246 ± 0.010 (6.25 ± 0.254)	0.13 ± 0.010 (3.30 ± 0.254)	0.031 ± 0.010 (0.80 ± 0.254)	0.044 ± 0.010 (1.13 ± 0.254)

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MLR1230					DIMENSIONS in inches (millimeters)				
MODEL	Power Rating (Watts)	Resistance Range (Ω)	Tolerance	TCR (ppm/ $^{\circ}$ C)	Ω	L	W	H	T
					MLR123023	3.0	0.00015~0.002	$\pm 0.5\%$ / $\pm 1.0\%$ / $\pm 5.0\%$	0.00015 Ω ~0.0015 Ω =+50 0.0016 Ω ~0.002 Ω =-25

MLR2725					DIMENSIONS in inches (millimeters)				
MODEL	Power Rating (Watts)	Resistance Range (Ω)	Tolerance	TCR (ppm/ $^{\circ}$ C)	Ω	L	W	H	T
					MLR272524	4.0	0.00025~0.003	$\pm 1.0\%$ / $\pm 5.0\%$	0.00025 Ω ~0.0009 Ω =+50 0.001 Ω ~0.003 Ω =-25
0.0005	0.268 \pm 0.010 (6.8 \pm 0.254)	0.264 \pm 0.010 (6.7 \pm 0.254)	0.039 \pm 0.010 (1.0 \pm 0.254)	0.085 \pm 0.010 (2.15 \pm 0.254)					
0.0001	0.268 \pm 0.010 (6.8 \pm 0.254)	0.264 \pm 0.010 (6.7 \pm 0.254)	0.043 \pm 0.010 (1.1 \pm 0.254)	0.085 \pm 0.010 (2.15 \pm 0.254)					
0.0015	0.268 \pm 0.010 (6.8 \pm 0.254)	0.264 \pm 0.010 (6.7 \pm 0.254)	0.039 \pm 0.010 (1.0 \pm 0.254)	0.085 \pm 0.010 (2.15 \pm 0.254)					
0.002	0.268 \pm 0.010 (6.8 \pm 0.254)	0.264 \pm 0.010 (6.7 \pm 0.254)	0.035 \pm 0.010 (0.9 \pm 0.254)	0.071 \pm 0.010 (1.8 \pm 0.254)					
0.0025	0.268 \pm 0.010 (6.8 \pm 0.254)	0.264 \pm 0.010 (6.7 \pm 0.254)	0.035 \pm 0.010 (0.9 \pm 0.254)	0.065 \pm 0.010 (1.65 \pm 0.254)					
0.003	0.268 \pm 0.010 (6.8 \pm 0.254)	0.264 \pm 0.010 (6.7 \pm 0.254)	0.035 \pm 0.010 (0.9 \pm 0.254)	0.051 \pm 0.010 (1.3 \pm 0.254)					

MLR2728					DIMENSIONS in inches (millimeters)				
MODEL	Power Rating (Watts)	Resistance Range (Ω)	Tolerance	TCR (ppm/ $^{\circ}$ C)	Ω	L	W	H	T
					MLR272823	3.0	0.004~0.420	$\pm 0.5\%$ / $\pm 1.0\%$ / $\pm 5.0\%$	0.004 Ω ~0.007 Ω =-25 0.008 Ω ~0.420 Ω =-15
MLR272828	3.5	0.004~0.150	$\pm 0.5\%$ / $\pm 1.0\%$ / $\pm 5.0\%$	0.004 Ω ~0.007 Ω =-25 0.008 Ω ~0.150 Ω =-15	0.004~0.150	0.283 \pm 0.010 (7.2 \pm 0.254)	0.264 \pm 0.010 (6.7 \pm 0.254)	0.039 \pm 0.010 (1.0 \pm 0.254)	0.045 \pm 0.010 (1.15 \pm 0.254)
MLR272824	4.0	0.004~0.050	$\pm 0.5\%$ / $\pm 1.0\%$ / $\pm 5.0\%$	0.004 Ω ~0.007 Ω =-25 0.008 Ω ~0.050 Ω =-15	0.004~0.050	0.283 \pm 0.010 (7.2 \pm 0.254)	0.264 \pm 0.010 (6.7 \pm 0.254)	0.039 \pm 0.010 (1.0 \pm 0.254)	0.045 \pm 0.010 (1.15 \pm 0.254)

Remark:

1. Special Requirements on Request.

2. Dimension:

