

# Metallized Film Capacitors Wrapped Styles

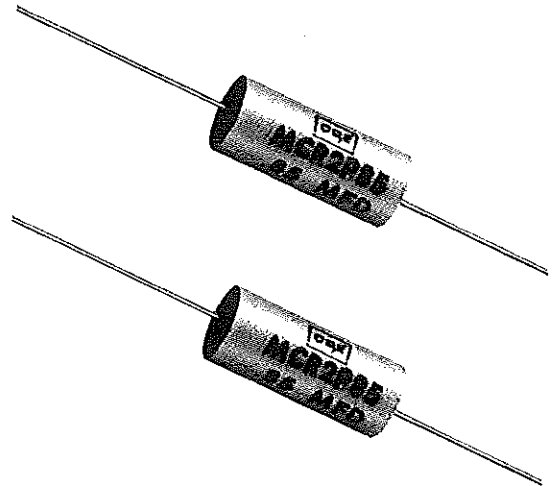


Class | 207.09  
Type | MCR

## METALLIZED POLYCARBONATE—TUBULAR STYLE

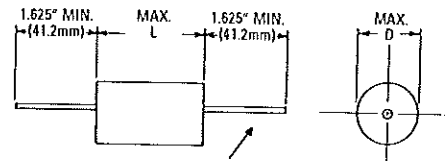
Type MCR is a non-inductively wound, metallized polycarbonate, wrapped style capacitor. Type MCR film-wrap, epoxy end-seal encasement offers superior moisture resistance in a small package. It features high operating temperature and capacitance stability. Operating temperature range is  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ . The capacitance change over this temperature range is  $-2.5\%$   $+2.0\%$ , with reference made to  $+25^{\circ}\text{C}$  measurement. Capacitance drift is  $.5\%$  max., while dissipation factor is less than  $.30\%$  at  $+25^{\circ}\text{C}$ . IR characteristics are:

Temp.	Megs. x Mfd.	Need Not Exceed—Megohms
+ 25°C	50,000	200,000
+ 85°C	3,000	30,000
+125°C	200	2,000



### WIRE SIZES FOR CASE DIAMETERS

- #24 AWG. up to .282" (7.16mm) diameter.
- #22 AWG. from .283" (7.19mm) to .532" (13.51mm).
- #20 AWG. from .533" (13.54mm) to .687" (17.45mm)
- #18 AWG. .688" (17.48mm) diameter and over.



TINNED COPPER CLAD STEEL LEADS

### Standard Ratings

CAP. MFD.	100V †Type MCR	D x L Inches	†Type MCR	D x L Inches	†Type MCR	D x L Inches	†Type MCR	D x L Inches
100V DCW								
.01			2S1	.182 x .625	4S1	.232 x .625	6S1	.277 x .812
.015			2S15	.207 x .625	4S15	.232 x .750	6S15	.327 x .812
.022			2S22	.217 x .625	4S22	.257 x .750	6S22	.382 x .812
.033			2S33	.247 x .625	4S33	.292 x .750	6S33	.452 x .812
.047			2S47	.272 x .625	4S47	.352 x .750	6S47	.407 x 1.125
200V DCW								
.068			2S68	.247 x .750	4S68	.407 x .750	6S68	.467 x 1.125
.1	1P1	.282 x .625	2P1	.307 x .750	4P1	.377 x 1.062	6P1	.587 x 1.125
.15	1P15	.282 x .750	2P15	.342 x .750	4P15	.432 x 1.062	6P15	.627 x 1.312
.22	1P22	.327 x .750	2P22	.402 x .750	4P22	.457 x 1.312	6P22	.732 x 1.312
.33	1P33	.382 x .750	2P33	.462 x .750	4P33	.497 x 1.562	6P33	.732 x 1.812
400V DCW								
.47	1P47	.372 x .937	2P47	.402 x 1.062	4P47	.612 x 1.562	6P47	.837 x 1.812
.68	1P68	.437 x .937	2P68	.425 x 1.062	4P68	.712 x 1.562	6P68	.987 x 1.812
1.0	1W1	.467 x 1.062	2W1	.592 x 1.062	4W1	.787 x 1.812	6W1	1.218 x 1.812
1.5	1W1P5	.592 x 1.062	2W1P5	.637 x 1.312	4W1P5	.927 x 1.812		
2.0	1W2	.622 x 1.312	2W2	.692 x 1.312	4W2	1.052 x 1.812		
600V DCW								
3.0	1W3	.687 x 1.437	2W3	.762 x 1.562	4W3	1.155 x 2.312		
4.0	1W4	.737 x 1.562	2W4	.807 x 1.812	4W4			
5.0	1W5	.812 x 1.562	2W5	.887 x 1.812	4W5			

†Order by complete type number; e.g. MCR2S22K.

STANDARD CAPACITANCE TOLERANCE:  $\pm 20\%$ . Add "K" to part number, e.g. MCR2S22K.

For  $\pm 5\%$  add "J" to part number.

For  $\pm 2\%$  add "G" to part number.

For  $\pm 1\%$  add "F" to part number.

For mm, convert based on 25.4 mm per inch.