

# Unit Conversions Chart

Measurement (Notation) Area	To Convert To	Multiply By
Square Mils (mil <sup>2</sup> , sq mils)	Circular Mils	1.2732
Square Mils (mil <sup>2</sup> , sq mils)	Square Inches	10 <sup>-6</sup>
Circular Mils (cir. mil, CMA)	Square Inches	.7854
Circular Mils (cir. mil, CMA)	Square Mils	7.854 x 10 <sup>-7</sup>
Circular Mils (cir. mil, CMA)	Circular Inches	10 <sup>-6</sup>
Circular Mils (cir. mil, CMA)	Square Mils	.0005067
Square Inches (in <sup>2</sup> , sq mils)	Square Mils	1,000,000
Square Inches (in <sup>2</sup> , sq. in)	Circular Mils	1,273,200
Square Inches (in <sup>2</sup> , sq. in)	Circular Inches	1.2732
Square Inches (in <sup>2</sup> , sq. in)	Square Mils	645.2
Square Inches (in <sup>2</sup> , sq. in)	Square Centimeters	6.542
Circular Inches (cir. in)	Circular Mils	1,000,000
Circular Inches (cir. in)	Square Inches	.7854
Square Feet (ft <sup>2</sup> ,sq. ft.)	Square Meters	.09290
Square Millimeters (mm <sup>2</sup> , sq.mm)	Circular Mils	1,973.5
Square Millimeters (mm <sup>2</sup> , sq. mm)	Square Inches	.0015500
Square Meters (m <sup>2</sup> )	Square Feet	10.764
<b>Weight/Mass/Force</b>		
Newtons (N)	Pounds	.2248
Newtons (N)	Kilograms	.102
Ounces (oz.)	Grams (g)	28.3495
Pounds (lb, #)	Kilograms	.4536
Kilograms (kg)	Pounds	2.2046
<b>Pressure</b>		
Pounds per Square Inch (lb/in <sup>2</sup> ,psi)	Kilograms per Square Centimeter	.07031
Pounds per Square Inch (lb/in <sup>2</sup> ,psi)	Pounds per Square Feet	144
Pounds Per Square Foot (lb/ft <sup>2</sup> )	Pascals (Pa. N/m <sup>2</sup> )	47.88029
Pounds Per Square Foot (lb/ft <sup>2</sup> )	Kilograms per Square Meter (Kg/m <sup>2</sup> )	4.882401
Pounds Per Square Foot (lb/ft <sup>2</sup> )	Atmospheres (Atm)	4.7254 x10 <sup>-4</sup>
Kilograms per Square Centimeters (kg/cm <sup>2</sup> )	Pounds per Square Inch	14.223
<b>Density</b>		
Pounds per 1000 Feet (lbs/M')	Kilograms per Kilometer	1.488
Kilograms per Kilometer (kg/km)	Pounds per 1000 Feet	.6720
Ohms per 1000 Feet (Ω/M')	Ohms per Kilometer	3.281
Ohms per Kilometer(Ω/km)	Ohms per 1000 Feet	.3048
Temperature °F	Temperature °C	5/9 (°F-32°)
Temperature °C	Temperature °F	(9/5 x °C)+32°