

ACCESSORY PRODUCTS

FOR PROTOTYPE DEVELOPMENT AND FABRICATION



SERIES C CARBIDE PRINTED CIRCUIT DRILL BITS

**POPULAR SIZES
FOR A VARIETY OF
COMPONENT
LEAD SIZES**

1/8 in. SHANKS



**DATA SHEET
DB-100-C**

This series of drill bits designed for drilling FR-4 circuit board materials feature common 1/8th in. shanks. The drill element is fabricated of solid carbide and the shanks are stainless steel. Carbide is the preferred material for drilling glass epoxy circuit board laminates due to its exceptional hardness. Unlike high speed steel bits which become dull quickly, these carbide bits are capable of several hundred or even thousands of hits before significant degradation of sharpness*. Designed for high speed equipment operating up to 80,000 RPM, these drills can also be used at lower speeds by using a slower feed rate. Due to the brittleness of carbide these drills are recommended for drill press use or use with precision equipment. Care must be taken not to drop or flex them as breakage may occur. Use these bits to make your own printed circuits or modify SURFBOARDS surface mount breadboards or other types of boards.

While designed for printed circuit use these tools may be used with other materials such as plastics and metals. The user is advised to evaluate the suitability for any given use by trial and possible adjustment of speed or feed rate.

* The number of holes that can be drilled is dependent on a number of factors including feed rate, speed, material characteristics, and what the user considers acceptable hole quality.

PART NUMBER	DRILL SIZE	SIZE INCHES	SIZE MM
DBC80-1	80	.0135	.34
DBC75-1	75	.021	.53
DBC72-1	72	.025	.64
DBC69-1	69	.0292	.74
DBC68-1	68	.031	.79
DBC66-1	66	.033	.84
DBC64-1	64	.036	.91
DBC60-1	60	.040	1.02
DBC56-1	56	.0465	1.18
DBC55-1	55	.052	1.32
DBC52-1	52	.0635	1.61
DBC51-1	51	.067	1.70
DBC48-1	48	.076	1.93
1/8 in. SHANK 1.5 in. OAL			

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