

Resin Blades

Soft bond for hard material.

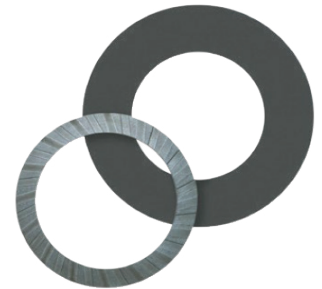
Resin binder enables blade wear management.

Resin-bond Blades are an excellent choice for hard and brittle materials such as: QFN/MLF, Thick Ceramic substrates, HTCC and Glass.

Blade thickness: 75 – 2500µm

Diamond grit size: 3 – 250µm

Available with various edge shapes



Diamond grit size (µm)	Product	Material	Matrix
35 up to 53	Ceramic Packages, Sensors	Alumina / AlN	C02/C07
53 up to 88	QFN (Half Etched) + Wettable QFN (Full cut)	Cu leadframe + molding	D02/D07
53 up to 88	QFN (Full Cu)	Cu leadframe + molding	E01
35 up to 53	DFN (0.3 – 0.5mm)	Cu leadframe + molding	E31/D02
53 up to 88	Wettable QFN First cut	Cu leadframe + molding	P07
30 up to 45	SAW Devices, RF Package	HTCC	QKP/C02
30 up to 53	CCD / Filter / Lens	Glass / Quartz	QKP/E33
45 up to 63	Optical & Electro Optical Components	Sapphire	QKP
30 up to 53	Passive & Active Devices. Communication Modules	LTCC	QKP

RESIN BLADES PART NUMBER DESCRIPTION

EDGE TYPE	O.D. & I.D.		GRIT SIZE ** (µm)	THICKNESS* (mil)
0 = Standard edge	1 = 2.188" x 40mm	K = 4.45" x 88.82mm	(003) = 3	(0.03) = 3
4 = Blade I.D. 3.5" (88.9mm)	2 = 4.256" x 88.82mm	J = 57mm x 40mm	(006) = 6	— (010) = 10
	3 = 3.0" x 40mm	M = 50mm x 40mm	(009) = 9	— (811) = 11.8
	4 = 4.5" x 88.82mm	N = 52.5mm x 40mm	(015) = 15	— (512) = 12.5
	5 = 5.0" x 88.82mm	P = 78mm x 40mm	(020) = 20	— (0.20) = 20
	6 = 4.6" x 88.82mm	R = 64mm x 40mm	(025) = 25	↓ (099) = 99
	7 = 4.7" x 88.82mm	S = 66mm x 40mm	(030) = 30	
	8 = 2.25" x 40mm	T = 74mm x 40mm	(035) = 35	
	9 = 2.5" x 40mm	U = 76.4mm x 40mm	(045) = 45	
	A = 53mm x 40mm	Q = 4.8" x 88.82mm	(053) = 53	
	B = 51mm x 40mm	W = 72mm x 40mm	(063) = 63	
	C = 56mm x 40mm	L = 80mm x 40mm	(075) = 75	
	D = 52mm x 40mm	V = 55mm x 40mm	(088) = 88	
	E = 54mm x 40mm	X = 59mm x 40mm	(105) = 105	
	F = 60mm x 40mm	Y = 77mm x 40mm	(125) = 125	
	G = 4.4" x 88.82mm	Z = 75mm x 40mm	(150) = 150	
	H = 58mm x 40mm		(200) = 200	

Example part number	X 0 777 - 4 006 - 010 - XXX	Product family
Standard Edge	4.5" O.D. x 88.82 mm I.D.	6 µm Grit
		10 mil Thickness

* Depends on diamond grit size

** Depends on blade thickness and diamond grit size

Other thickness options, diameters, edge geometries and diamond grit size are available upon request.

