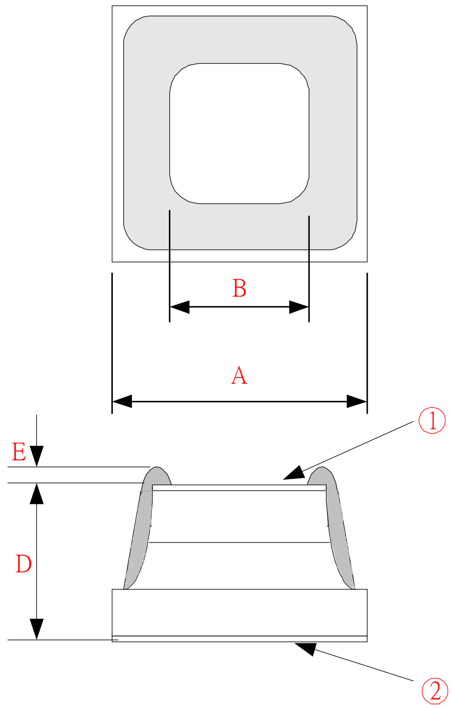
Product	Type
Ultra Fast Rectifier Diodes	8GHESV420-1000

Metallization

Top Al ①

Bottom Ag ②



Dimension in mils

	Dimension
A	166±2
B	133(min.)
D	12±1.0
E	2(max.)

Absolute Maximum Ratings (Ta=25℃)

PEAK REVERSE VOLTAGE	VRRM .. 1000 V
FORWARD SURGE CURRENT	IFSM…. 300 A
STORAGE TEMPERATURE RANGE	Tstg .. –65~150℃

Electrical Characteristics

Item	Symbol	Test Condition	Standard
FORWARD VOLTAGE(for cell type)	VF	IF=20A	1.70 V (MAX)
REVERSE CURRENT	IR	VR=1000V	10μA (MAX)
REVERSE RECOVERY TIME	TRR	RG1	75ns
BREAKDOWN VOLTAGE	BVR	IR=10μA	1050V (MIN)

Dice Yield Assurance : 95%

Ho Chien Electronics Inc.	Spec No.:8GHESV420-1000	DATE：May.10.2006