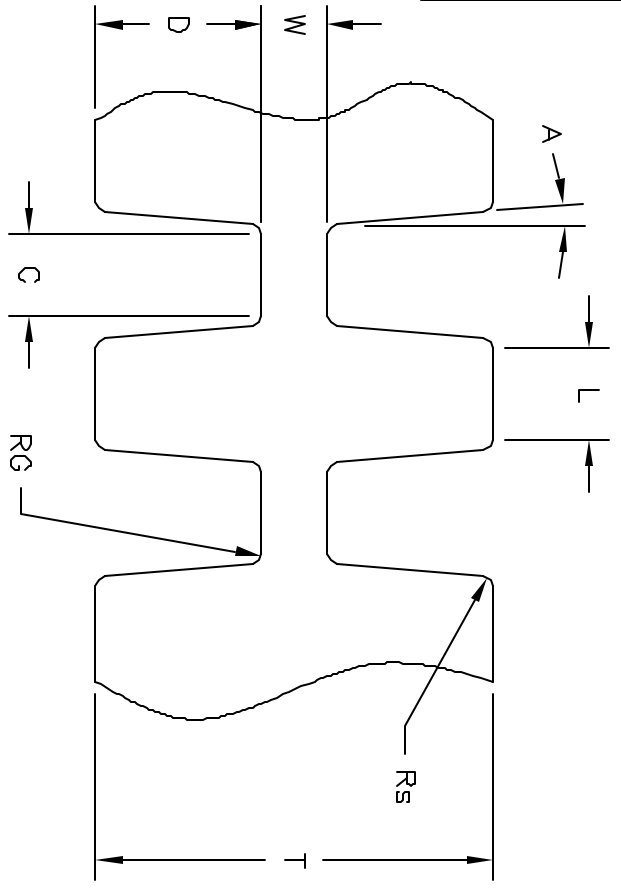


CHARACTERISTIC GUIDELINES FOR THE DESIGN OF MOLDED BIPOLAR PLATES OF THE GRADE FU4369

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	APPROVED AND RELEASED FOR PROD.	06-14-04	J.D.G.

Thickness T	maximum 6mm
Web Thickness W	at least 0.9 mm
Channel Depth D	see L
Channel Width C	to be jointly determined
Landwidth L	ratio D/L max 1.6 eg. channel depth=1.3 needs landwidth 0.8mm
Draft Angle A	for $D \leq 1\text{mm}$: 5°; for $D \geq 1\text{mm}$: $A > 5^\circ$
Radius Surface RS	~0.1 to 0.2mm minimum required
Radius Ground RG	~0.1 to 0.2mm minimum required



TOLERANCES UNLESS SPECIFIED

FRACTIONS	±.030	ANGLES	±0°30'
X	±.015	FLATNESS	.005
.XX	±.010	PERPENDICULARITY	.005
.XXX	±.005	PARALLELISM	.005
.XXXX	±.001	CONCENTRICITY	.002
FINISHES	125 RMS	ROUNDNESS	.002

ALL DIMENSIONS ARE IN INCHES

MATERIAL — FU4369

FILE NO.	FC GUIDELINES
DRAWN BY	J.D.G.
CHKD BY	J.D.G.
APPROV BY	HV

Schunk Graphite Technology
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FUEL CELL CHARACTERISTIC GUIDLINES

SIZE	A	DWG NO	FC GUIDELINES	REV	A
CUSTOMER DRAWING NO.	N/A	REV	—	FSCM NO	
SCALE	8=1	SHEET	1	OF	1