

# 瓷能設計有限公司

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TAIWAN

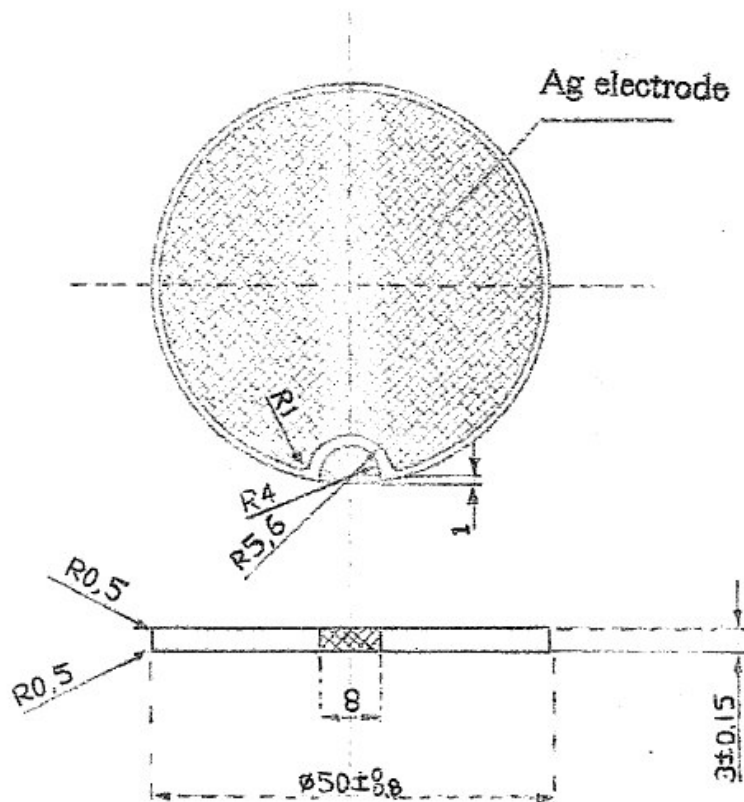
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## APPROVAL SHEET OF PIEZO-CERAMIC

TPC-D5030S3

1. PART NUMBER: TPC-D5030S3

2. DIMENSIONS:  $\varnothing 50 \times 3.0$



3. ELECTRICAL SPECIFICATION:

Resonant Frequency, $f_r$ (Hz)	45.5K $\pm$ 3%
Dielectric Loss, $\tan\delta$ (%)	<0.5
Coupling Factor, $k_p$	$\geq$ 0.55
Free Capacitance, C(pF)	6500 $\pm$ 15%
Piezoelectric Constant, $d_{33}$ (pC/N)	>320
Application	Ultrasonic Cleaner Discs