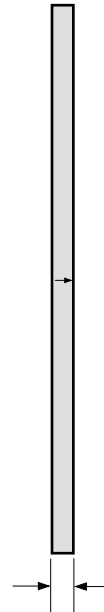
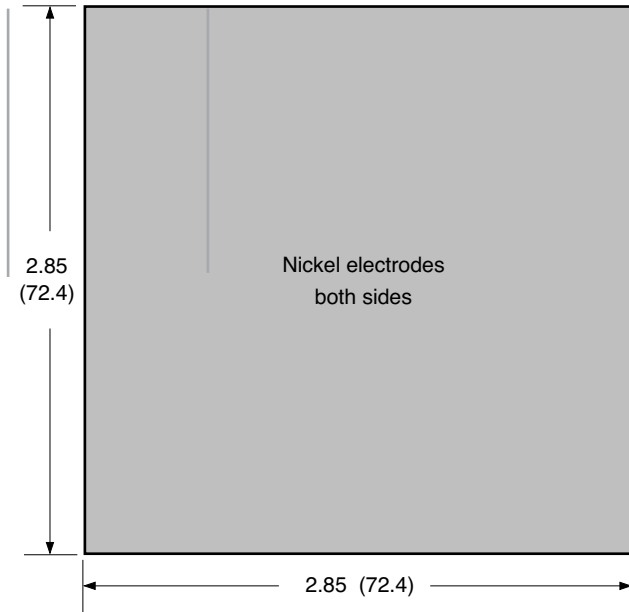


PSI-5H4E PIEZOELECTRIC SINGLE SHEETS



PART NUMBER	THICKNESS	CAPACITANCE
	mm	nF (±10%)
T105-H4E-602	.127	1250
T107-H4E-602	.191	850
T110-H4E-602	.267	610

.005 ± .0005 (.127 ± .013)
 .0075 ± .0005 (.191 ± .013)
 .0105 ± .0005 (.267 ± .013)

PIEZO ELECTRIC & MATERIAL PROPERTIES OF PSI-5H4E SINGLE SHEETS

PIEZO ELECTRIC

Composition	Lead Zirconate Titanate	
Piezo Systems Material Designation	Type 5H4E (Industry Type 5H, Navy Type VI)	
Relative Dielectric Constant (@1KHz)	KT_3	3800
Piezoelectric Strain Coefficient	d_{33}	650×10^{-12} meter/Volt
	d_{31}	-320×10^{-12} meter/Volt
Piezoelectric Voltage Coefficient	g_{33}	19.0×10^{-3} Volt meter/Newton
	g_{31}	-9.5×10^{-3} Volt meter/Newton
Coupling Coefficient	k_{33}	.75
	k_{31}	.44
Polarization Field	E_p	1.5×10^6 Volt/meter
Initial Depolarization Field	E_c	3.0×10^5 Volt/meter

MECHANICAL

Density	ρ	7800	Kg/meter ³
Mechanical Q		32	
Elastic Modulus	Y_{E_3}	5.0×10^{10}	Newton/meter ²
	Y_{E_1}	6.2×10^{10}	Newton/meter ²

THERMAL

Thermal Expansion Coefficient		$\sim 3 \times 10^{-6}$	meter/meter °C
Curie Temperature		230	°C

ROHS

Compliant / Piezoceramic exempted from requirements of Article 4(1)

ORDERING INFORMATION	PART NO.	1 pc.	5 pc.	25 pc.	100 pc.
PSI-5H4E (2.85" Square x .005"T)	T105-H4E-602	\$100	\$70	\$50	\$35
PSI-5H4E (2.85" Square x .0075"T)	T107-H4E-602	\$100	\$60	\$40	\$30
PSI-5H4E (2.85" Square x .0105"T)	T110-H4E-602	\$100	\$70	\$50	\$35