Table 1. Major Pyroelectric Material

Material	Curie Temp. Tc(°C)	Specific Inductive Capacity	Coefficient of Pyroelectricity ($C.cm^{-2}.K^{-3}$)	Specific Heat at Constant Volume $c'(g.cm^{-3}.K)$	$\lambda/\varepsilon \cdot c'$ (C.cm.J)
TGS (Inorganic)	49	35	4.0×10^{-8}	2.5	4.6×10^{-10}
$LiTaO_3$ (Single crystal)	618	43 54	1.8 2.3×10^{-8}	3.2	1.3 1.35×10^{-10}
PZT (Ceramics)	200 270	380 1800	1.8 2.0×10^{-8}	3.0	0.2 0.4×10^{-10}
Deformed PZT (Ceramics)	220	380	17.9×10^{-8}	3.1	1.5×10^{-10}
$LiNbO_3$ (Single crystal)	1200	30	0.4 0.5×10^{-8}	2.8	0.4 0.6×10^{-10}
$PbTiO_3$ (Ceramics)	470	200	6.0×10^{-8}	3.2	0.94×10^{-10}
SBN (Single crystal)	115	380	6.5×10^{-8}	2.1	0.8×10^{-10}
PVDF (Organic Macromolecular)	120	11	0.24 0.4×10^{-8}	0.33	0.9 1.5×10^{-10}

Note: TGS: $(NH_2\text{-}CH_2\text{-}COOH)_3H_2SO_2$, Glycine Sulfate
PZT: $(PbxZryTiz)O_3$
Deformed PZT: $[Pb(SnSb)O_3\text{-}PbTiO_3\text{-}PbZrO_3]$
SBN: [Srx Bay Nb_2O_6] normally x=0.48, y=0.52
PVDF: Crystalline macro molecule of polyvinyl fluoride $[(CH_2\text{-}CF_2n]$ or PVF_2

Pyroelectric Type Infrared Sensor

Type	Domestic Production	Import
Single crystal ($LiTaO_3$)	Sanyo Electric Co., Ltd. Matsushita Denshi Buhin (Matsushita Giken)	Plessy Eltic
Ceramics (PZT)	Murata Mfg. Nihon Ceramic Horiba, Ltd.	Plessy Mullard
Organic (PVDF)	Matsushita Electric Insdustrial Co., Ltd. Matsushita Communication Industrial Co., Ltd.	