



新势力光电供应太赫兹晶体，具有品质高、非线性光学特性强、光电系数大的特点。该系列太赫兹晶体应用广泛，包括：太赫兹发生器、太赫兹探测器、快速光电调制、光参量发生器、1.55 μm 倍频。

激光器

光学测量

光学元件

太赫兹系统

太赫兹系统

太赫兹元件

| Physical Properties | DAST Crystal |
|---------------------------------------|---|
| Melting temperature | 256 °C |
| Refractive indices@720nm | $n_1=2.519, n_2=1.720, n_3=1.635$ |
| Nonlinear optical coefficients | $d_{11}(1318\text{nm})=1010\text{pm/V}$ |
| | $d_{11}(1542\text{nm})=290\text{pm/V}, d_{26}(1542\text{nm})=39\text{pm/V}$ |
| Electro optic coefficients | $r_{11}(720\text{nm})=92\text{pm/V}$ |
| | $r_{11}(1313\text{nm})=53\text{pm/V}$ |
| | $r_{11}(1535\text{nm})=47\text{pm/V}$ |
| Dielectric constants@3KHz | $\epsilon_1=5.2, \epsilon_2=4.1, \epsilon_3=3.0$ |
| Phase matching for THz Generation | 1300-1600nm |
| Physical Properties | OH1 Crystal |
| Melting temperature | 212 °C |
| Refractive indices@1319nm | $n_2=1.58, n_3=2.15$ |
| Nonlinear optical coefficients@1900nm | $d_{333}=120\pm 10\text{pm/V}$ |
| | $d_{223}=13\pm 2\text{pm/V}$ |
| | $d_{322}=8.5\pm 2\text{pm/V}$ |
| Electro optic coefficients | $r_{333}(633\text{nm})=109\pm 4\text{pm/V}$ |
| | $r_{333}(785\text{nm})=75\pm 7\text{pm/V}$ |
| | $r_{333}(1064\text{nm})=56\pm 2\text{pm/V}$ |
| | $r_{333}(1319\text{nm})=52\pm 7\text{pm/V}$ |
| Phase matching for THz Generation | 1200-1460nm |

| Physical Properties | DSTMS Crystal |
|---------------------------------------|------------------|
| Melting temperature | 250 °C |
| Refractive indices@1550nm | n1=2.07, n2=1.64 |
| Nonlinear Optical Coefficients@1900nm | d111=214±20pm/V |
| | d122=31±4pm/V |
| | d212=35±4pm/V |
| Electro optic coefficients@1900nm | r111=37±3pm/V |
| Phase matching for THz Generation | 1300-1700nm |

| Photorefractive Crystal KNbO3 | Wavelength[nm] | Recording Time(typical)[s] |
|-------------------------------|----------------|----------------------------|
| KNbO3:Fe | 488 | 1 |
| KNbO3:Mn | 515 | 1 |
| | 860 | 3 |
| KNbO3:Fe reduced | 488 | 0.01 |
| | 515 | 0.01 |
| KNbO3:Rh reduced | 860 | 0.5 |

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▶ 太赫兹元件

相关产品 ▶▶

服务热线: 400-007-1064



太赫兹发生器/探测器



太赫兹光源



太赫兹光谱



太赫兹成像