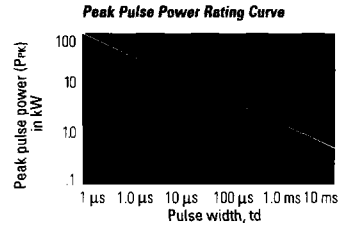
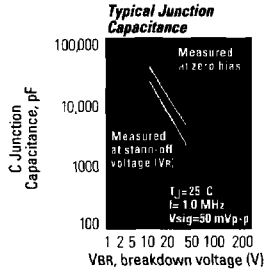
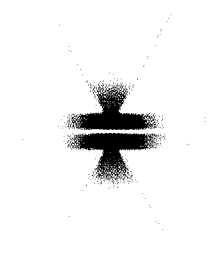


MPTE/1N6373 - 1N6389 Series



Specify Crydom

...for these industry-leading components and products:

- **Solid State Relays**
Printed Circuit Board Mount
Panel Mount
DIN Rail Mount
- **Power Cubes**
- **I/O Modules**
- **Transient Voltage Suppression Components**
TVS Diodes
Thyristor Suppression Devices
Gas Discharge Tubes (GDT)
Zeners/Studs
Hybrid Arrester Devices

MECHANICAL CHARACTERISTICS

- Case: Molded plastic over glass passivated junction
- Terminals: Axial leads, solderable per MIL-STD-202 Method 208
- Marking: Cathode band (positive terminal, uni-directional devices only), device code, logo
- Weight: 1.5 grams (approx.)

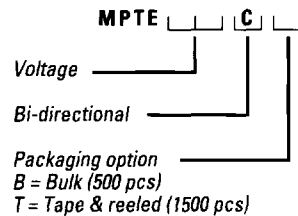
Ordering Information

For recommended applications and more information contact:

Sales: 1-877-502-5500
 Technical support: 1-877-702-7700
 Corporate Headquarters: 1-619-715-7200
 Fax: 1-619-715-7280
 E-mail: sales@crydom.com

About Crydom

Over the years Crydom has become the supplier of choice for advanced, high-quality products like those featured here. It's the result of our teams of design and production engineers – material, production control, and quality assurance experts, and more – working seamlessly together to create, produce, and deliver superior components and products that satisfy the most demanding environmental and performance requirements. We focus on timely delivery and competitive pricing aimed at meeting your needs and helping you succeed in today's fast-paced, fast-changing global markets.



Crydom
 9525 Chesapeake Drive
 San Diego, CA 92123 USA

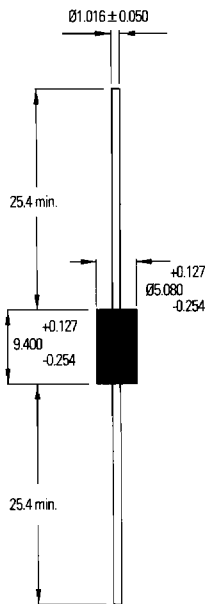


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 Specifications subject to change without notice.

FASTFAX Product Info: 1-888-267-9191



MPTE/1N6373 – 1N6389 Series



All dimensions in mm

Invisible Protection

When no problems exist, Crydom TVS Diodes are totally invisible to the circuits they're protecting. But when potentially damaging transients occur, they provide high-speed "clamping" to prevent damage – and then return to their electronically invisible state.

MPTE SERIES (1500 WATT) AXIAL TRANSIENT VOLTAGE SUPPRESSORS

The MPTE series 1500 watt transient suppressors are designed specifically for protection of CMOS, NMOS, BiMOS, and other integrated circuits available today for TTL, DTL, ECL, RTL, and linear functions. This series offers the lowest clamping voltages.

FEATURES

- Glass passivated junction
- Stand-off voltage range: 5-45 V
- Very low clamping voltages
- Uni-directional and bi-directional
- 100% surge tested

MAXIMUM RATINGS

- Peak pulse power (PPK): 1500 watts (10 X 1000 μ s)
- 5 watt steady state
- Response time: 1 X 10⁻¹² s (theoretical)
- Forward surge rating: 200 A, 8.3 ms half sine wave (uni-directional devices only)
- Operating and storage temperature: -55°C to +175°C

PART NUMBER	REVERSE STAND-OFF VOLTAGE Vr (V)	MINIMUM BREAKDOWN VOLTAGE Vbr @ It (V)	MAXIMUM REVERSE LEAKAGE Ir @ Vr (μ A)	MAXIMUM CLAMPING VOLTAGE Vc @ IPP1=1A (V)	MAXIMUM CLAMPING VOLTAGE Vc @ IPP2=10A (V)	MAXIMUM PEAK PULSE CURRENT IPP (A)
*1N6373 / MPTE-5	5.0	6.0	300.0	7.1	7.5	160.0
1N6374 / MPTE-8	8.0	9.4	25.0	11.3	11.5	100.0
1N6375 / MPTE-10	10.0	11.7	2.0	13.7	14.1	90.0
1N6376 / MPTE-12	12.0	14.1	2.0	16.1	16.5	70.0
1N6377 / MPTE-15	15.0	17.6	2.0	20.1	20.6	60.0
1N6378 / MPTE-18	18.0	21.2	2.0	24.2	25.2	50.0
1N6379 / MPTE-22	22.0	25.9	2.0	29.8	32.0	40.0
1N6380 / MPTE-36	36.0	42.4	2.0	50.6	54.3	23.0
1N6381 / MPTE-45	45.0	52.9	2.0	63.3	70.0	19.0
<i>Vf max. = 3.5 V at If = 50 A 300 μs square wave pulse</i>						
1N6382 / MPTE-8C	8.0	9.4	50.0	11.4	11.6	100.0
1N6383 / MPTE-10C	10.0	11.7	2.0	14.1	14.5	90.0
1N6384 / MPTE-12C	12.0	14.1	2.0	16.7	17.1	70.0
1N6385 / MPTE-15C	15.0	17.6	2.0	20.8	21.4	60.0
1N6386 / MPTE-18C	18.0	21.2	2.0	24.8	25.5	50.0
1N6387 / MPTE-22C	22.0	25.9	2.0	30.8	32.0	40.0
1N6388 / MPTE-36C	36.0	42.4	2.0	50.6	54.3	23.0
1N6389 / MPTE-45C	45.0	52.9	2.0	63.3	70.0	19.0

*MPTE-5 is not available in bi-directional.

Note: Suffix "C" denotes bi-directional device. Electrical specifications @ 25°C.