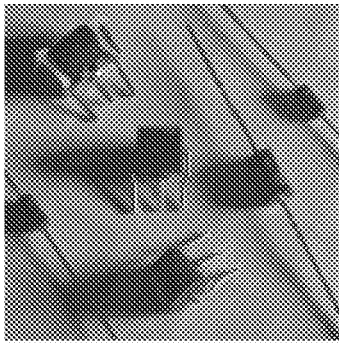
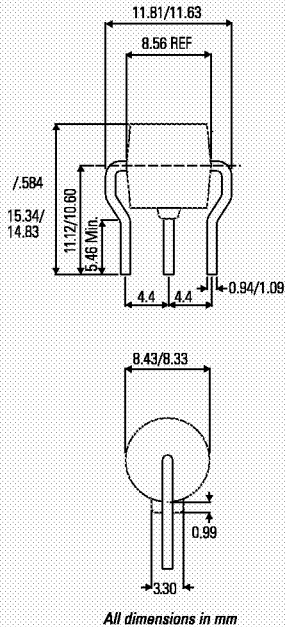


Thyristors (SIBOD™ Breakover Devices)



T10C Series



"Crow Bar" Protection

To protect sensitive telecommunications circuitry, Crydom Thyristors (SIBOD™ Breakover Devices) "crow bar" potentially dangerous transients -- switching them to ground and dissipating the voltage to zero. This approach can handle more energy than TVS diode "clamping."

FEATURES

- Glass passivated junction
- High current diverting capability, 250 A
- Low capacitance, less than 200 pF
- UL listed
- Automatic reset
- Does not degrade

APPLICATION

Bi-directional device for telephone and line card protection.

ELECTRICAL CHARACTERISTICS (T_J = 25°C)

SYMBOL	PARAMETERS
V _{RM}	Stand-off voltage
V _{BR}	Breakdown voltage
I _H	Holding current

ABSOLUTE RATINGS (LIMITING VALUES) (T_J + 25°C) L = 10 mm

SYMBOL	PARAMETERS	T _J = 50°C	T _J = 25°C	
			VALUE	UNIT
P	Power dissipation on infinite heatsink	T _{amb} = 50°C	5	W
I _{FP}	Peak pulse current	10 X 1000 μs	100	A
		10/700 1.5 kV	125	
		8-20 μs expo	250	
I _{TSM}	Non-repetitive surge peak on state current	t _p = 20 ms	50	A
di/dt	Critical rate of rise of on-state current	Non-repetitive	100	A/μs
T _{stg}	Storage and operating junction temperature range		-40 to 150	°C
T _J			150	°C

THERMAL RESISTANCES

SYMBOL	PARAMETERS	T _J = 25°C		
		VALUE	UNIT	
R _{th(j-l)}	Junction-leads on infinite heatsink	L = 10 mm	60	°C/W

DEVICE TYPE	V _{RM} (V)	I _{SM} @ V _{RM} (mA)	V _{BR} MIN. @ 1 mA (V)	V _{BR} MAX. (V)	V _T TYP @ 1A (V)	t _{REC} TYP (ms)	I _H MIN. (mA)
T10C80	70	1	80	120	2	50	B or E
T10C110	100	1	110	135	2	50	B or E
T10C140	120	1	140	170	2	50	B or E
T10C180	170	1	180	210	4	50	B or E
T10C220	200	1	220	265	4	50	B or E
T10C270	240	1	270	360	4	50	B or E

MINIMUM HOLDING CURRENTS I_H MIN.

SUFFIX	I _H
B	120
E	180

**3-terminal configuration,
matches GDT pin
configuration for plug in
applications, fits in Krone™
3-point connector
block (5B).**

T10C 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

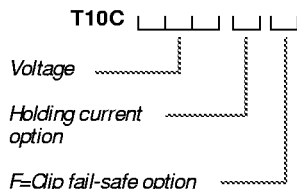
Ordering Information

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
Website: www.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 demand-
ing environmental and performance require-
ments. 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.



FASTFAX Product Info: 1-888-267-9191

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