

## Product Specification Two Terminal Fast Current Actuated Switch.

**Model number**

CAS-TTF-2A-400V-1.2A-60Hz

**Absolute stress above which the unit may be damaged.**

	Min	Max	unit
Ambient temperature	-40	80	°C
Voltage across output "contacts"		400	V-peak
Instantaneous current in output "contacts"		22.0	A-peak
Shock (any axis)		2500	g

**Range over which calibration is guaranteed.**

	Min	Typ	Max	unit
Ambient temperature	-5		70	°C
Frequency	59	60	61	Hz
Total harmonic distortion of the current			3.0	percent
Vibration (1Hz-10kHz)			200	g

**Operating parameters.**

	Min	Typ	Max	unit
Output impedance (Note 1)			0.8	ohms
Isolation (Note 2)	4500			V-rms
Turn on switch current (25°C) (Note 3)	1.95	2.00	2.05	A-rms
Turn on versus temperature	1.81	2.00	2.10	A-rms
Thermal coeff.(Prop. to current magnitude).	.030	.050	0.12	%/°C
Turn on time constant, (Note 4)	16.0	26.0	40.0	mS
Turn off time constant, (Note 4)	25.0	37.0	50.0	mS
Continuous RMS or DC current thru closed output "contacts"			1.2	A-rms

**Physical**

	Min	Typ	Max	unit
Depth		.688		inch
Length		2.000		inch
Width		1.500		inch
Sensing hole diameter	.500			inch
Weight		80.0		grams
Flammability	Self extinguishing			

**Note 1** The output impedance of closed contacts is modeled as a bidirectional silicon diode (0.6volts) in series with the resistance shown and is independent of polarity.

**Note 2** Isolation may be better depending on the insulation of the user's current carrying conductors.

**Note 3** Models are available from 1.5 to 100 A.

**Note 4** (For special switching requirements, call SRT)

**Smith Research & Technology, Inc.**

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