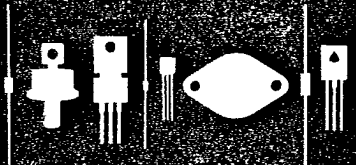


Central  
Semiconductor Corp.  
Central  
Semiconductor Corp.  
Central  
Semiconductor Corp.  
Central<sup>TM</sup>  
Semiconductor Corp.

145 Adams Avenue  
Hauppauge, New York 11788



CT-32E SERIES

SILICON BI-DIRECTIONAL DIAC  
(TRIGGER DIODE)

JEDEC DO-41 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR CT-32E series types are diffused silicon bi-directional thyristors, mounted in a cost effective, axial lead epoxy case, designed to be used as a trigger for an SCR or a triac.

MAXIMUM RATINGS (TA=25°C)

	<u>SYMBOL</u>		<u>UNIT</u>
Power Dissipation	P <sub>D</sub>	250	mW
Operating and Storage Junction Temperature	T <sub>J</sub> , T <sub>STG</sub>	-65 TO +150	°C

ELECTRICAL CHARACTERISTICS (TA=25°C)

	V(B0)*		ΔV(B0)	ΔV±	I(B0)	I <sub>TRM</sub> **
	VOLTS		VOLTS	VOLTS	μA	AMPS
	MIN	MAX	MAX	MIN	MAX	MAX
CT-32E	27	37	3.0	5.0	50	2.0
CT-35E	30	40	3.0	5.0	50	2.0
CT-40E	35	45	3.0	5.0	50	2.0
CT-50E	42	58	4.0	8.0	50	1.7
CT-60E	56	70	4.0	10	50	1.5
CT-105E	95	113	10	25	25	0.6
CT-110E	104	118	10	25	25	0.6
CT-120E	110	125	10	25	25	0.6
CT-130E	120	138	10	25	25	0.6
CT-200E	190	215	20	50	15	0.34
CT-220E	205	230	20	50	15	0.34
CT-240E	220	250	20	50	15	0.34

\*SWITCHING VOLTAGE, BOTH DIRECTIONS

\*\*PEAK PULSE CURRENT, 10μs, 120PPS