

2830 S. Fairview St. Santa Ana, CA 92704 PH: (714) 979-8220 FAX: (714) 966-5256

PRODUCT CAPABILITY SHEET

Performance Advantages

- 50% real estate reduction over competition
- On State Dissipation is 1.5 to 2 times less than competition
- Switching Characteristics (ton) up to 10 times faster
- Can handle 3 times the surge as competition for the same physical area
- Custom designs in 3-4 weeks (competition does not offer custom arrangements)

Features

- Monolithic Flip Chip Construction, all contacts on one side
- · Available with solderable surface
- Common Anode/Cathode available
- Available in 2, 3, 4, 5, 6, 8 element arrays (see outlines below)
- Available in 5-8.5 Volt versions
- Power Rating is 50 Joules at 37°C
- Also available in TVS (TVSMEDA Series)

Monolithic Flip Chip Thyristor Surge Protection Device Array

for Implantable Applications

Proposed Maximum Ratings @ 37°C-Body Temperature (unless otherwise specified)

Part Number	VDRM	Vz	Vво	lво	lΗ	VT	VT	ITSM	İR	ton	Vc	Co
						@1 A	@8 A		@ VWM		1kV/us @ 50Ω	@ 0V
	Volts	Volts	Volts	mΑ	mΑ	Volts	Volts	Amps	nA	nsec	Volts	рF
	MAX	MIN	MAX	MAX	MIN	MAX	MAX	MAX	MAX	MAX	MAX	MAX
TSPDMEDA001-5	5	6	8	20	1	3	6	30	100	500	10	100
TSPDMEDA001-7.5	7.5	8	12	20	1	3	6	30	100	500	15	100
TSPDMEDA001-8.5	8.5	9	12	20	1	3	6	30	100	500	15	100

