

STEERING DIODE ARRAY

APPLICATIONS

- ✓ Ethernet - 10/100/1000 Base T
- ✓ Cellular Phones
- ✓ Handheld Electronics
- ✓ FireWire
- ✓ USB Interface

IEC COMPATIBILITY (EN61000-4)

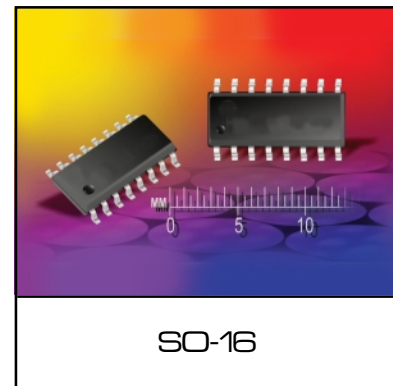
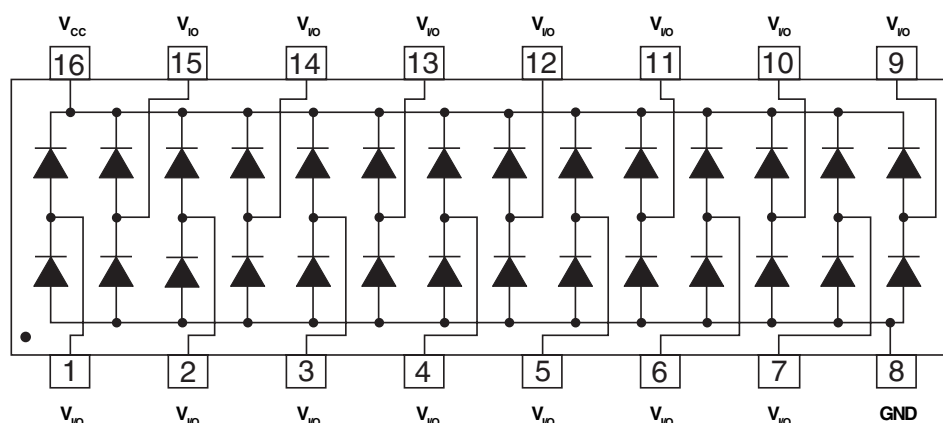
- ✓ 61000-4-2 (ESD): Air - 15kV, Contact - 8kV
- ✓ 61000-4-4 (EFT): 40A - 5/50ns
- ✓ 61000-4-5 (Surge): 12A, 8/20µs - Level 1(Line-Gnd) & Level 2(Line-Line)

FEATURES

- ✓ ESD Protection > 40 kilovolts
- ✓ Provides 14 Lines of Protection
- ✓ **LOW LEAKAGE CURRENT < 20nA**
- ✓ **ULTRA LOW CAPACITANCE: 3pF Typical**

MECHANICAL CHARACTERISTICS

- ✓ Molded JEDEC SO-16
- ✓ Weight 0.15 grams (Approximate)
- ✓ Flammability rating UL 94V-0
- ✓ 16mm Tape and Reel Per EIA Standard 481
- ✓ Marking: Part Number, Logo, Date Code & Pin One Defined By Dot on Top of Package

**PIN CONFIGURATION**

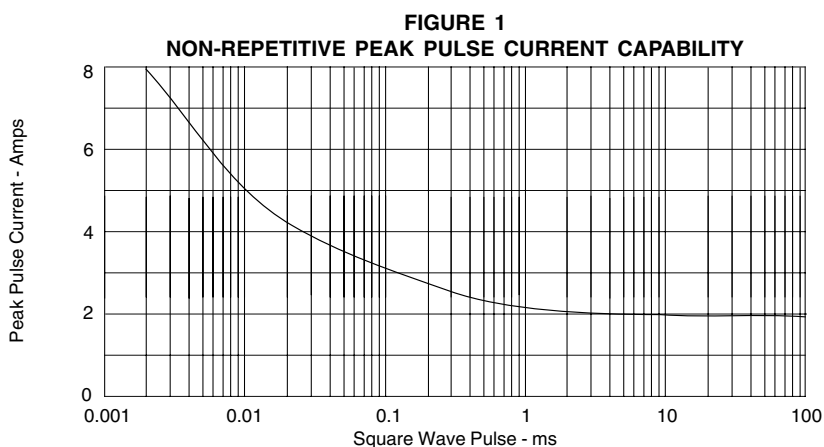
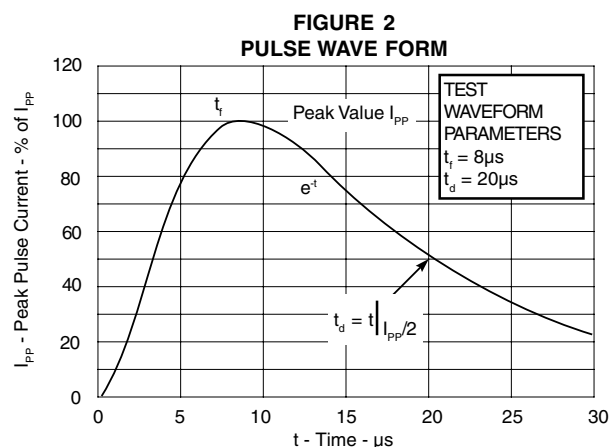
DEVICE CHARACTERISTICS

MAXIMUM RATINGS @ 25°C Unless Otherwise Specified			
PARAMETER	SYMBOL	VALUE	UNITS
Operating Temperature	T_J	-55°C to 150°C	°C
Storage Temperature	T_{STG}	-55°C to 150°C	°C
Continuous Power Dissipation	P_{PC}	145	mW

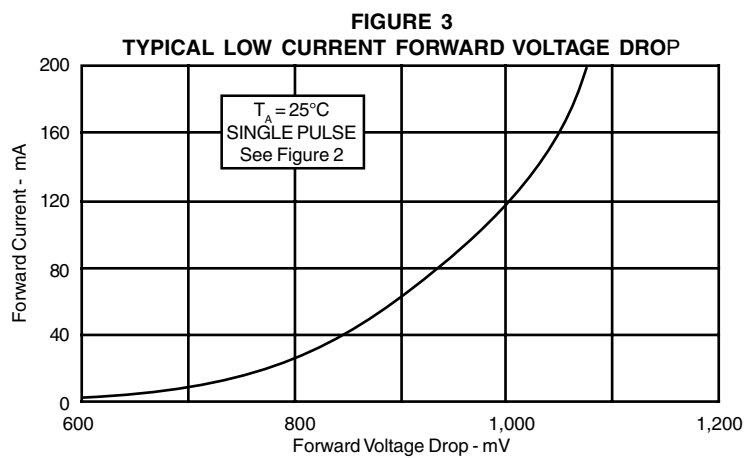
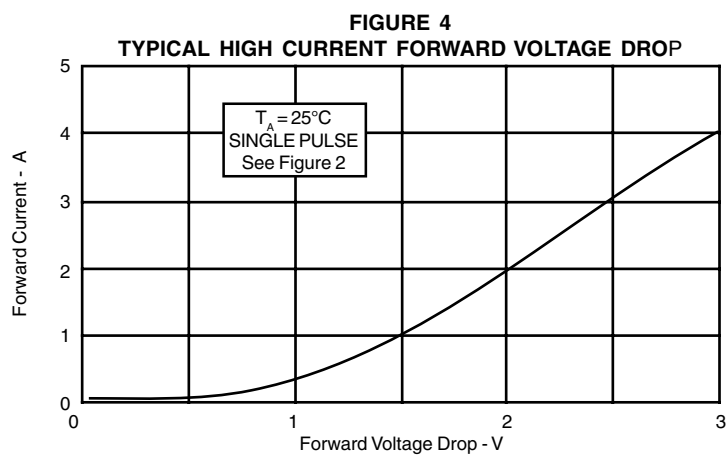
ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified							
PART NUMBER	DEVICE MARKING	REPETITIVE PEAK REVERSE VOLTAGE (See Note 1) V_{RRM} VOLTS	TYPICAL FORWARD VOLTAGE 8/20µs @ 1A V_F VOLTS	MAXIMUM PEAK PULSE FORWARD CURRENT 8/20µs I_{FM} AMPS	MAXIMUM REVERSE LEAKAGE CURRENT V_{RRM} @ 20V I_R nA	MAXIMUM QUIESCENT SUPPLY CURRENT @ 20V I_{RQ} nA	TYPICAL CAPACITANCE (See Note 2) @ 0V, 1 MHz C_j pF
ET720	ET720	30	2	12	20	200	3

Note 1: V_{RRM} is $+V_{CC}$ for pin 16, $-V_{EE}$ for pin 1.

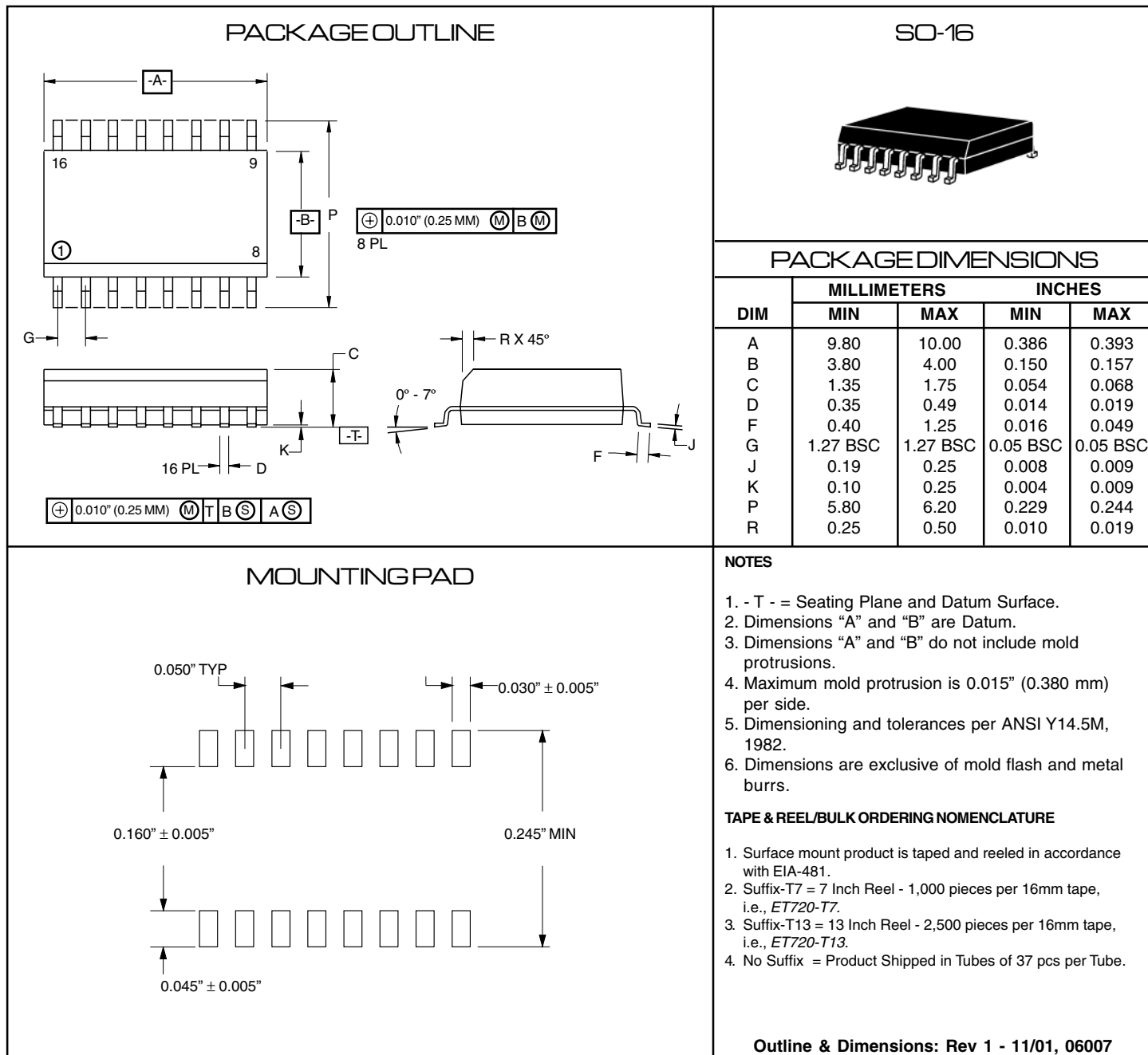
Note 2: Measure C_j between any V_{IO} pins to ground and divide by 2.



GRAPHS



PACKAGE OUTLINE & DIMENSIONS



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