

MICRO SURFACE MOUNT SCHOTTKY BRIDGE

100 Volt CURRENT

FEATURES

VOLTAGE

- Plastic package has Underwriters Laboratory. Flammability Classification 94V-O.
- Flame Retardant Epoxy Molding Compound.
- Exceeds environmental standards of MIL-S-19500/228.
- Low power loss, high efficiency.
- Low forward voltge, high current capability.
- High surge capacity.
- Super fast recovery times, high voltage.
- Epitaxial chip construction.
- Lead free in compliance with EU RoHS 2011/65/EU directive.
- Green molding compound as per IEC61249 Std. . (Halogen Free).

MECHANICAL DATA

- Case: TDI Molded plastic
- Terminals: Lead solderable per MIL-STD-750, Method 2026
- · Polarity: As marked.
- Standard packaging: Any
- Weight: 0.0032 ounce, 0.09 gram

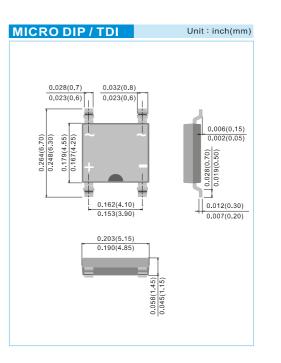
ABSOLUTE MAXIMUM RATINGS (TA=25°C unless otherwise noted)

PARAMETER		VALUE	UNITS
Maximum Peak Repetitve Reverse Voltage		100	V
Maximum RMS Reverse Voltage		70	v
Maximum DC Blocking Voltage		100	v
Maximum Average Forward Current T _c =50°C		2	A
Non-Repetitive Peak Surge Current (Surge applied at rate Load conditions halfware, single phase, 60Hz)		50	A
Typical Thermal Resistance, Junction to Ambient (Note1)		95	°C/W
Operating Junction Temperature Range	TJ	-55 to +125	°C
Storage Temperature Range		-55 to +150	°C

2 Ampere

NOTES :

1.Mounted on minimum pad layout (1cm x 1cm FR-4 board).





ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

PARAMETER	SYMBOL	CONDITIONS	MIN	TYP	MAX.	UNIT
Reverse Current	l r	V _R =100V	-	-	4	μA
Reverse Breakdown Voltage	V(BR)R	I κ=150μΑ	100	-	-	V
Forward Voltage	Vf	IF=2A	-	770	840	mV
Typical Junction Capacitance	CJ	V _R =4V, f=1MHz	-	110	-	pF

RATING AND CHARACTERISTIC CURVES

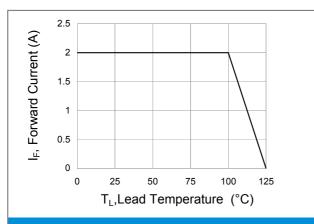
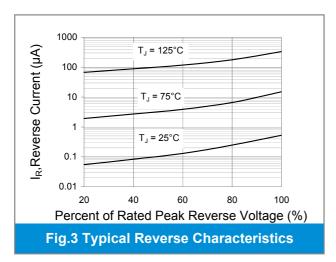


Fig.1 Forward Current Derating Curve



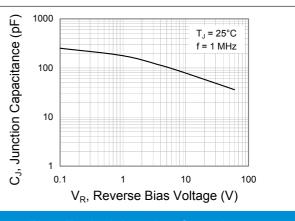
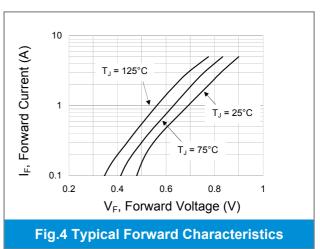
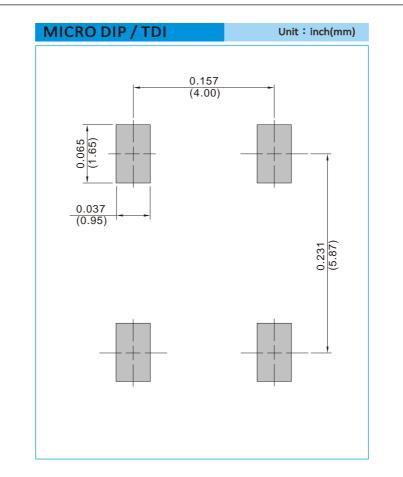


Fig.2 Typical Junction Capacitance





MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 4K per 13" plastic Reel

T/R - 1K per 7" plastic Reel



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