

CHENMKO ENTERPRISE CO.,LTD

SURFACE MOUNT

GLASS PASSIVATED SILICON RECTIFIER VOLTAGE RANGE 50 - 1000 Volts CURRENT 2.0 Amperes ML21PT **THRU** ML27PT

FEATURES

- * Low leakage current
- Ideal for surface mounted applications
- Metallurgically bonded construction Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Glass passivated junction
- High temperature soldering guaranteed : 260°C/10 seconds at terminals

MECHANICAL DATA

Case: JEDEC SMA molded plastic

Terminals: Solder plated, solderable per MIL-STD-750,

Method 2026

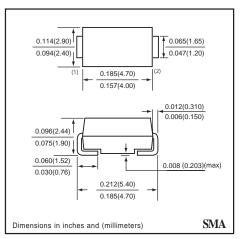
Polarity: Indicated by cathode band Weight: 0.002 ounces, 0.064 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%.





MAXIMUM RATINGES (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	ML21PT	ML22PT	ML23PT	ML24PT	ML25PT	ML26PT	ML27PT	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current	lo	2.0						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	İFSM	60						Amps	
Typical Junction Capacitance (Note)	Сл	20						pF	
Operating and Storage Temperature Range	TJ, TSTG	-65 to +175						°C	

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

CHARACTERISTICS	SYMBOL	ML21PT ML22PT ML23PT ML24PT ML25PT ML26PT ML27PT	UNITS					
Maximum Instantaneous Forward Voltage at 2.0 A DC	VF	1.0	Volts					
Maximum DC Reverse Current at Rated DC Blocking Voltage at TA = 25°C		5.0						
Maximum Full Load Reverse Current Average, Full Cycle at TA = 75°C	lR IR	50	uAmps					

NOTES: Measured at 1.0 MHz and applied reverse voltage of 4.0 volts

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