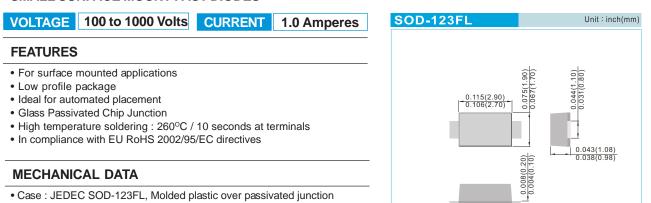
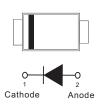


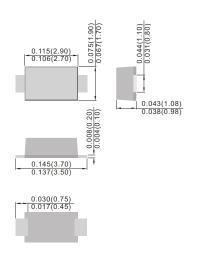
# R\$1001FL~R\$1010FL

#### SMALL SURFACE MOUNT FAST DIODES



- Terminals : Solderable per MIL-STD-750, Method 2026
- Standard Packaging : 8mm tape (EIA-481)
- Apporx. Weight: 0.0006 ounce, 0.0172 gram
- Polarity : Color band cathode





### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

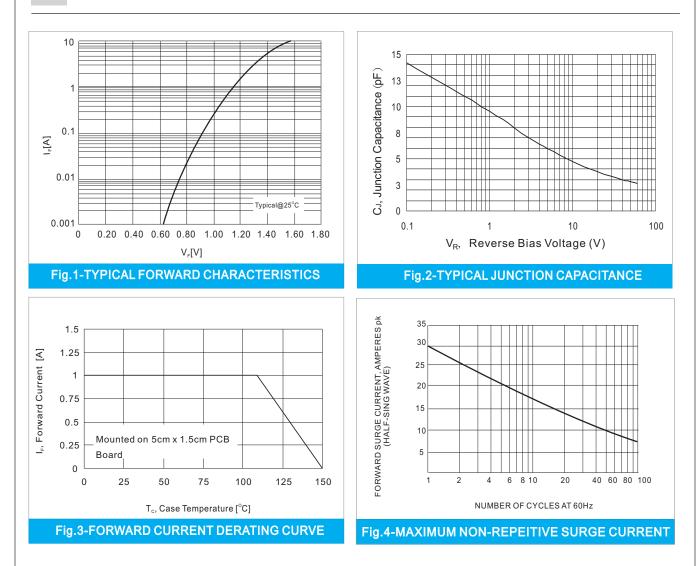
Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%

Rating	Test condition	Symbol	RS1001FL	RS1002FL	RS1004FL	RS1006FL	RS1008FL	RS1010FL	Units
Marking Code		-	R1B	R1D	R1G	R1J	R1K	R1M	-
Maximum repetitve peak reverse voltage		V <sub>RRM</sub>	100	200	400	600	800	1000	V
Maximum RMS voltage		V <sub>RMS</sub>	70	140	280	420	560	700	V
Maximum DC blocking voltage		V <sub>DC</sub>	100	200	400	600	800	1000	V
Maximum average forward rectified current Derate above $\rm T_{c}{=}110^{o}\rm C$		I <sub>F(AV)</sub>	1.0						A
Maximum instantaneous forward voltage	0.7A 1.0A	V <sub>F</sub>	1.15 1.3					V	
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I <sub>fsm</sub>	30						A
Maximum DC reverse current at rated DC blocking voltage	Tj=25°C Tj=125°C	I <sub>R</sub>	1.0 50						μΑ
Typical capacitance	4V,1MHz	C」	9						pF
Reverse recovery time	I <sub>F</sub> =0.5A I <sub>R</sub> =1A I <sub>=</sub> =0.25A	t "	150 250 5		00	nS			
Thermal resistance junction to ambient air		$R_{_{9JA}}$	180					°C/W	
Operating junction and storage temperature range		T_,T <sub>stg</sub>	-55 to +150					°C	





### RS1001FL~RS1010FL

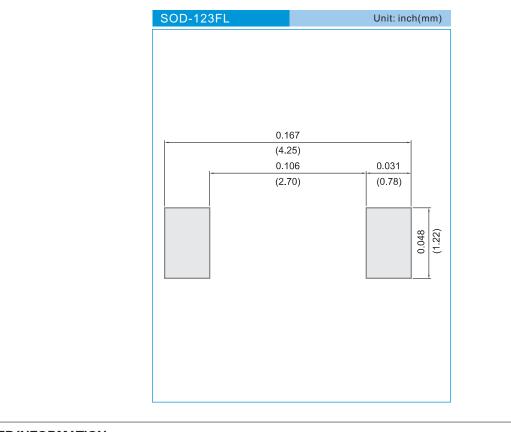






## R\$1001FL~R\$1010FL

### **MOUNTING PAD LAYOUT**



### **ORDER INFORMATION**

- Packing information
  - T/R 10K per 13" plastic Reel
- T/R 3K per 7" plastic Reel

### LEGAL STATEMENT

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