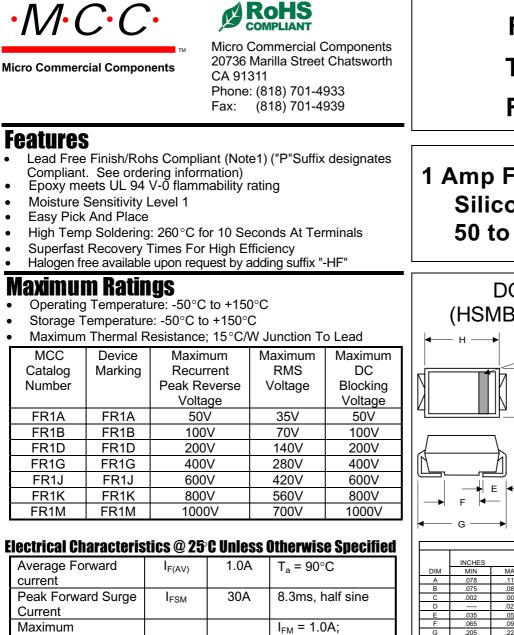
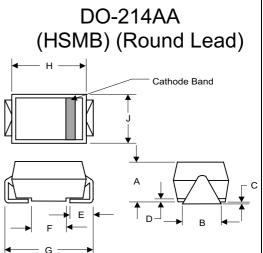
### NOT RECOMMENDED FOR NEW DESIGNS USE FR1A-LTP~FR1M-LTP

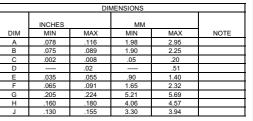


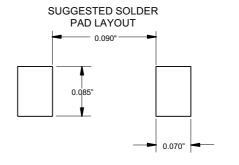
G Instantaneous 1.30V VF T<sub>J</sub> = 25°C\* Forward Voltage Maximum DC **Reverse Current At**  $I_R$ 5μΑ T<sub>J</sub> = 25°C Rated DC Blocking 200µA T<sub>.1</sub> = 125°C Maximum Reverse **Recovery Time** FR1A-G Trr 150ns I<sub>F</sub>=0.5A, I<sub>R</sub>=1.0A, FR1J 250ns I<sub>rr</sub>=0.25A FR1K-M 500ns **Typical Junction** CJ 12pF Measured at Capacitance 1.0MHz, V<sub>R</sub>=4.0V



## **1 Amp Fast Recovery** Silicon Rectifier 50 to 1000 Volts





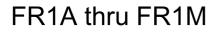


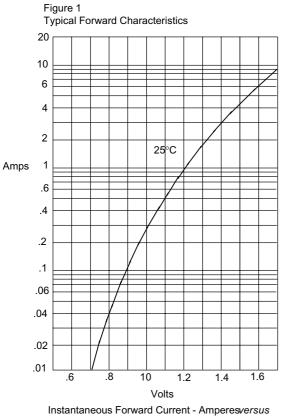
\*Pulse test: Pulse width 200 usec, Duty cycle 2%

Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7.

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Voltage

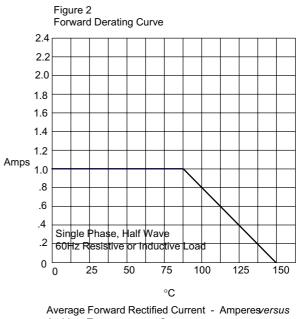




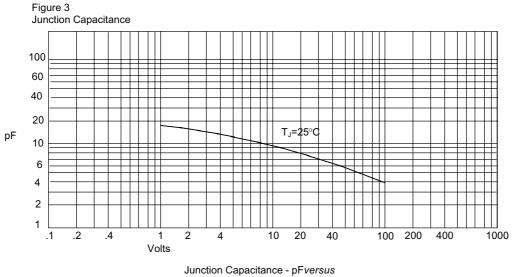
Instantaneous Forward Voltage - Volts



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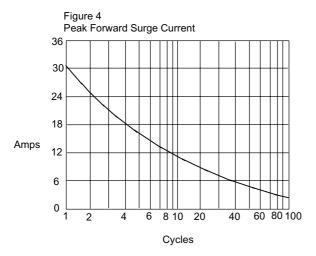
Ambient Temperature -°C



#### Reverse Voltage - Volts

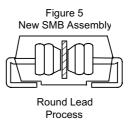
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## FR1A thru FR1M



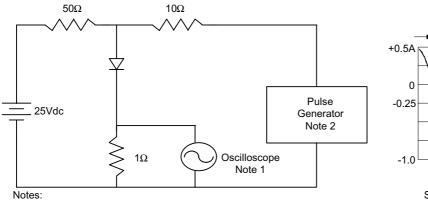


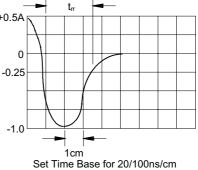
**Micro Commercial Components** 



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles

Figure 6 Reverse Recovery Time Characteristic And Test Circuit Diagram





1. Rise Time = 7ns max.

Input impedance = 1 megohm, 22pF

2. Rise Time = 10ns max.

Source impedance = 50 ohms 3. Resistors are non-inductive

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## **Ordering Information :**

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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