

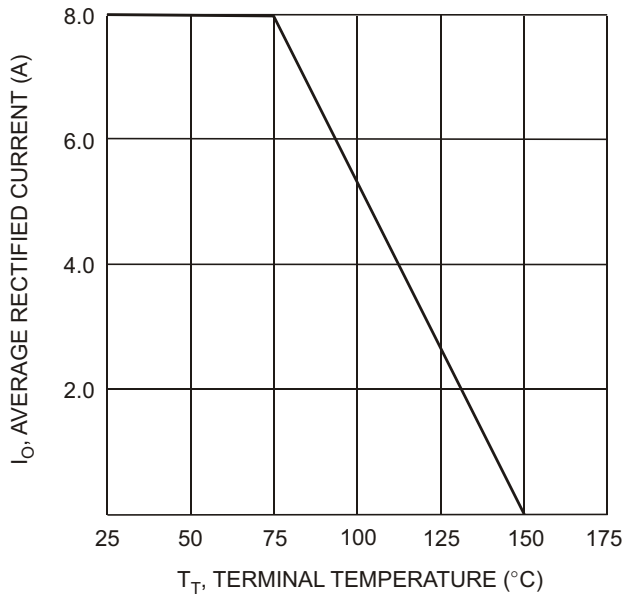


Fig. 1 Forward Current Derating Curve

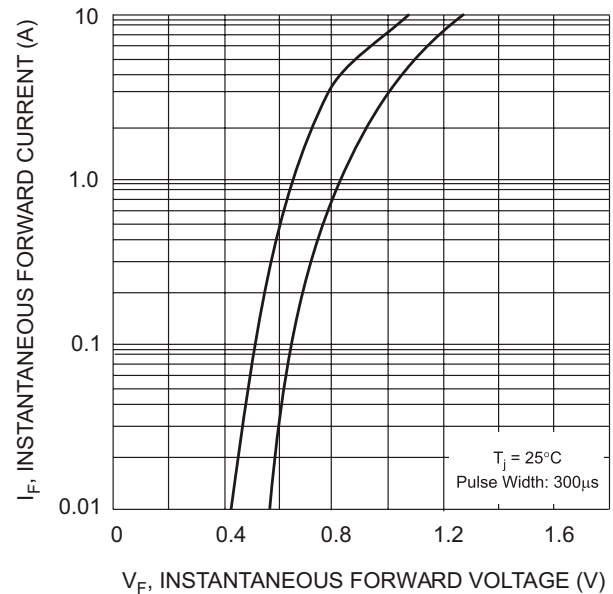


Fig. 2 Typical Forward Characteristics

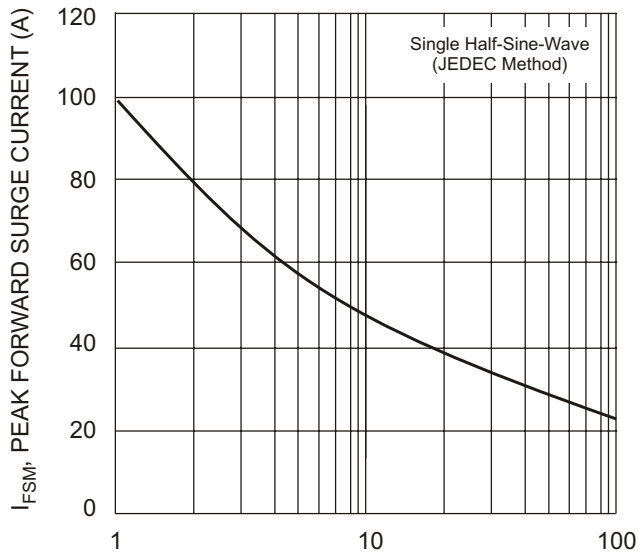


Fig. 3 Surge Current Derating Curve

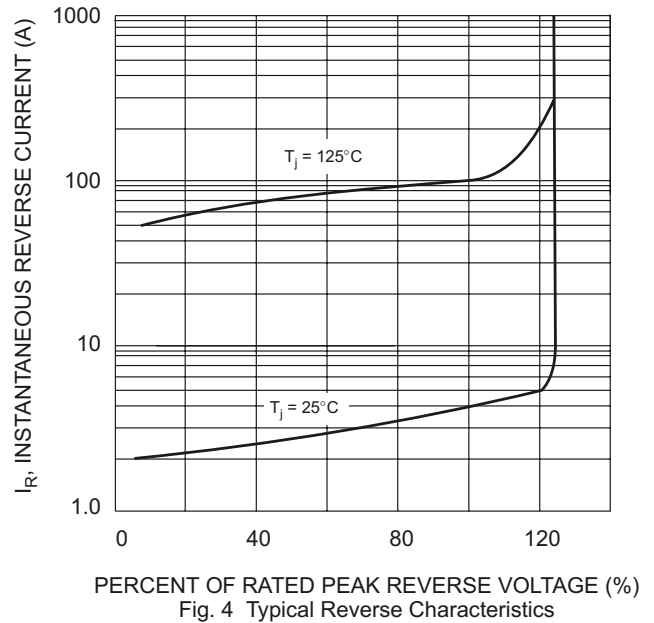
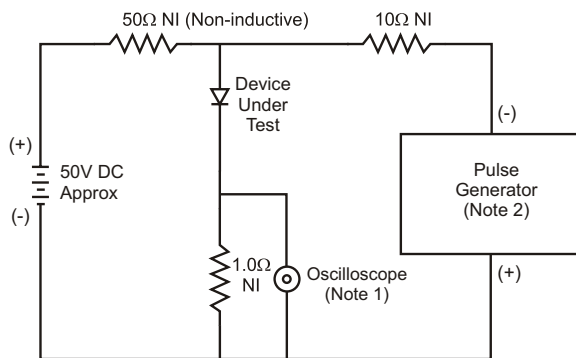
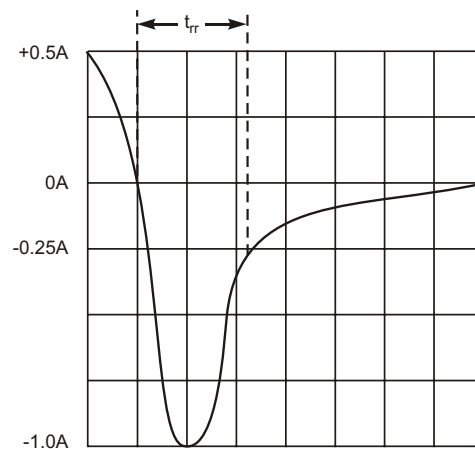


Fig. 4 Typical Reverse Characteristics



Notes:
1. Rise Time = 7.0ns max. Input Impedance = 1.0M Ω , 22pF.
2. Rise Time = 10ns max. Input Impedance = 50 Ω .



Set time base for 50/100 ns/cm

Fig. 5 Reverse Recovery Time Characteristic and Test Circuit

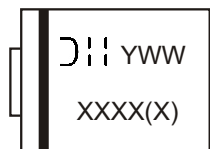
Ordering Information (Note 5 & 6)

Device*	Packaging	Shipping
ES3x-13 ES3xB-13	SMC SMB	3000/Tape & Reel 3000/Tape & Reel

* x = Device type, e.g. ES3A-13 (SMC package); ES3AB-13 (SMB package).

- Notes:
4. For Packaging Details, go to our website at <http://www.diodes.com/datasheets/ap02007.pdf>.
 5. For Lead Free Finish/RoHS Compliant version part number, please add "-F" suffix to the part number above. Example: ES3A-13-F.

Marking Information



XXX = Product type marking code, ex: ES3A (SMC package)
 XXXX = Product type marking code, ex: ES3AB (SMB package)
 DIII = Manufacturers' code marking
 YWW = Date code marking
 Y = Last digit of year ex: 2 for 2002
 WW = Week code 01 to 52