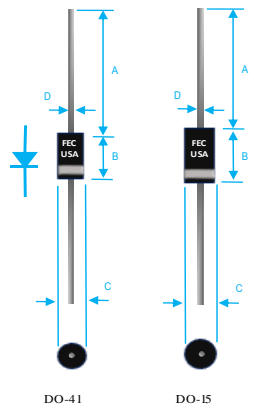


FAST RECOVERY HIGH VOLTAGE RECTIFIER



Value In mm DO-41		
Dim.	Min.	Max.
A	1.000[25.40]	---
B	0.166[4.22]	0.205[5.2]
C	0.080[2.03]	0.107[2.72]
D	0.028[0.71]	0.034[0.86]

Value In mm DO-15		
Dim.	Min.	Max.
A	1.000[25.40]	---
B	0.230[5.84]	0.300[7.62]
C	0.104[2.64]	0.140[3.56]
D	0.028[0.71]	0.034[0.86]

PRODUCT FEATURES

1. FLAMMABILITY CLASSIFICATION: 94V-0
2. BEVELED ROUND CHIP, AVALANCHE OPERATION
3. CASE: DO-41/DO-15 TRANSFER MOLDED
4. DIMENSIONS IN INCHES AND (MILLIMETERS)
5. POLARITY: INDICATED BY CATHODE BAND
6. WEIGHT : DO-41 0.34 GRAMS / DO-15 0.40 GRAMS
7. TERMINALS : PER MIL-STD-202, METHOD 208
8. ROHS

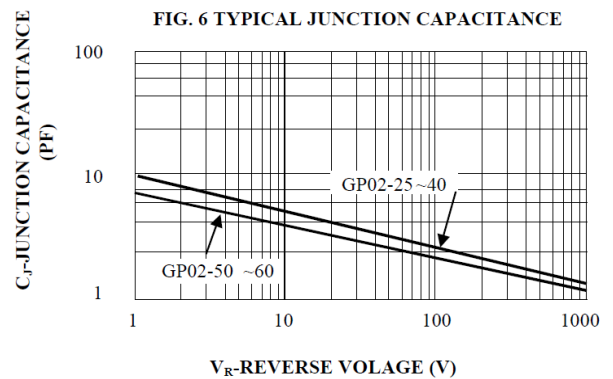
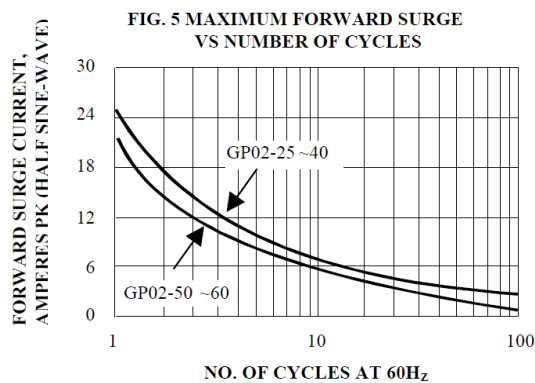
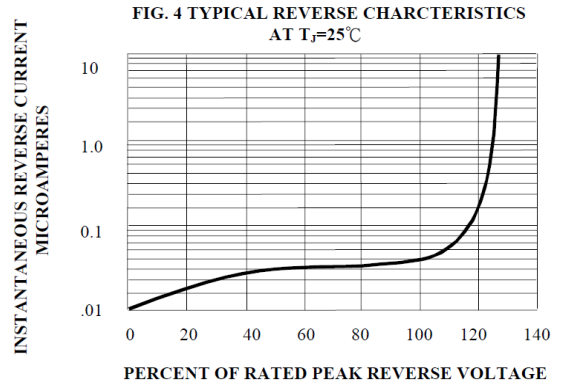
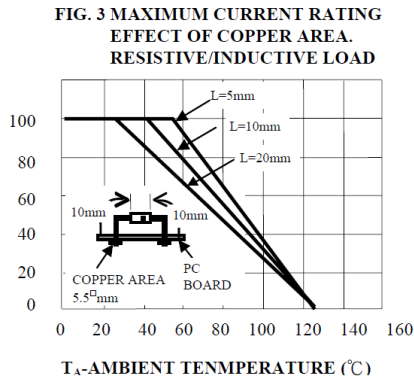
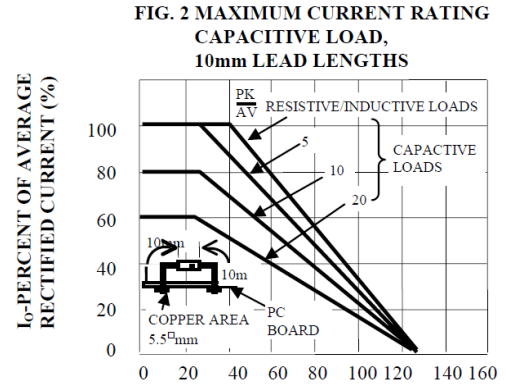
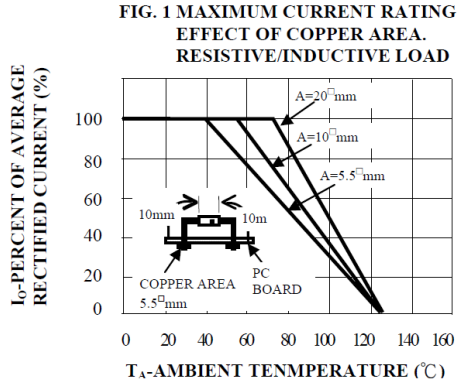
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED STORAGE AND OPERATING TEMPERATURE RANGE -55°C TO + 150°C. SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD. FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

RATINGS		SYMBOL	VALUE	UNITS
AVERAGE FORWARD RECTIFIED CURRENT AT L=10mm TA=55°C		IO	0.2	A
TYPICAL THERMAL RESISTANCE (NOTE 2)		Rqja	50	°C/W
MAXIMUM REVERSE CURRENT @ 25°C, VDC		IR	5	uA
MAXIMUM REVERSE CURRENT @ 100°C		IR	50	uA

1. MEASURED @ 1.0 MHZ AND APPLIED REVERSE VOLTAGE OF 4.0 V
2. BOTH LEADS ATTACHED TO HEATSINK 20x20x1t(mm) COPPER PLATE AT LEAD LENGTH 5mm
3. DO-41 FOR FR02-25 THRU FR02-30, DO-15 FOR FR02-35 THRU FR02-60
4. MAXIMUM FORWARD VOLTAGE AT IO DC

PART NUMBER	MAX RECURRENT PK REV VOLTAGE VRRM (V)	MAX RMS VOLTAGE VRMS (V)	MAX DC BLOCKING VOLTAGE VDC (V)	MAX FWD VOLTAGE VF (V)
FR02-25	2500	1750	2500	3
FR02-30	3000	2100	3000	3
FR02-35	3500	2450	3500	5
FR02-40	4000	2800	4000	5
FR02-50	5000	3500	5000	7
FR02-60	6000	4200	6000	7

RATING AND CHARACTERISTIC CURVES





GP02-25 THRU GP02-60 SPECIFICATIONS

Rev. A

