

# SHINDENGEN

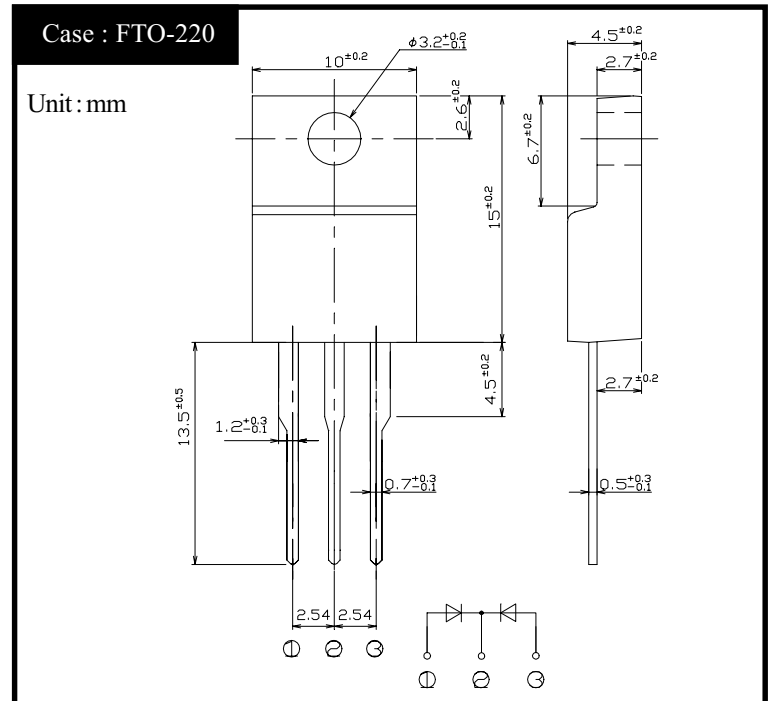
## Schottky Rectifiers (SBD)

Dual

# SF15JC6

## 60V 15A

### OUTLINE DIMENSIONS



### RATINGS

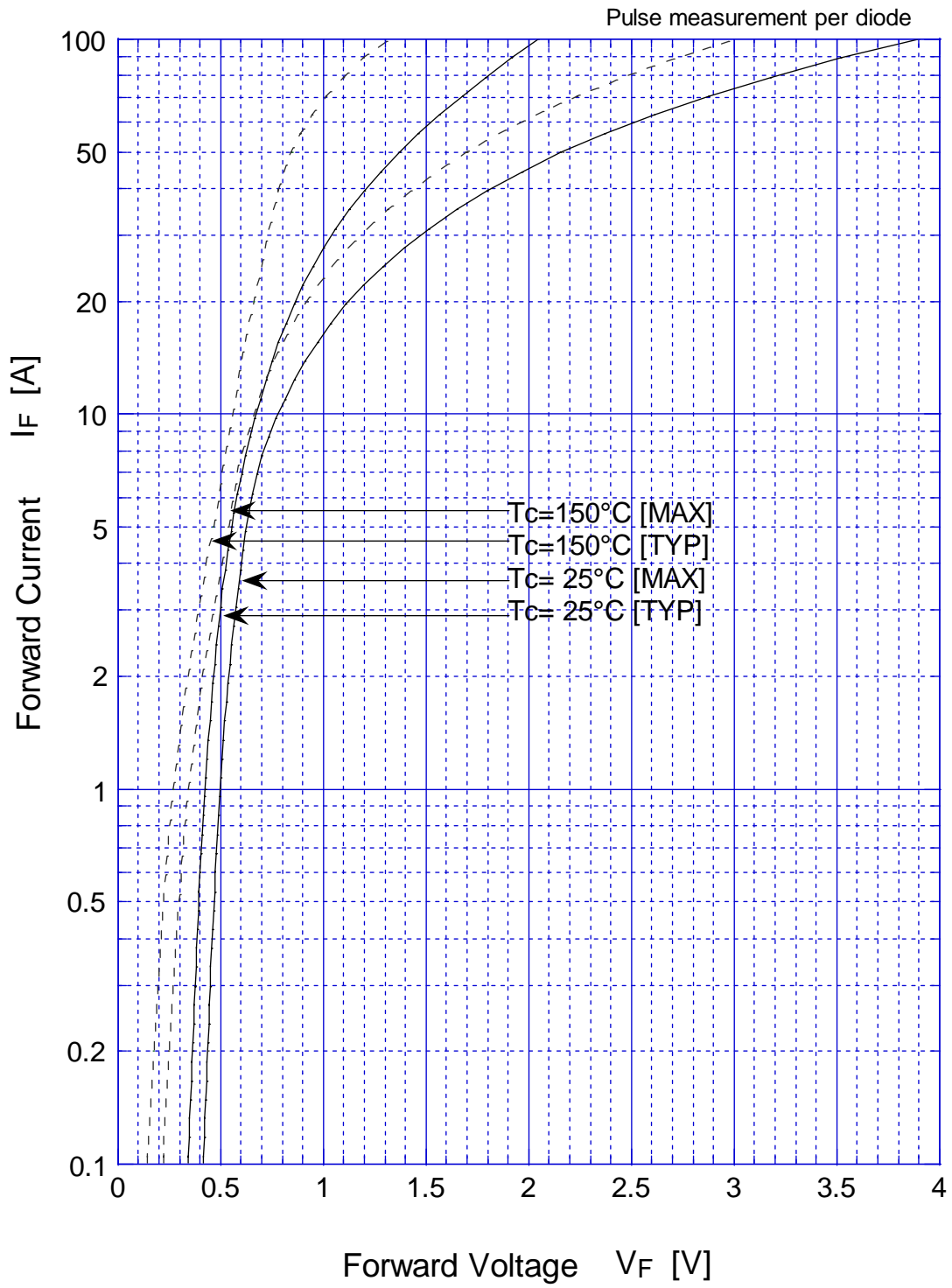
● Absolute Maximum Ratings (Unless otherwise specified, Tc = 25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-55~150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	VRM		60	V
Repetitive Peak Surge Reverse Voltage	VRRSM	Pulse width 0.5ms, duty 1/40	65	V
Average Rectified Forward Current	IO	50Hz sine wave, R-load, Rating for each diode IO/2, Tc=123°C	15	A
Peak Surge Forward Current	IFSM	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	150	A
Dielectric Strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting Torque	TOR	(Recommended torque : 0.3N·m)	0.5	N·m

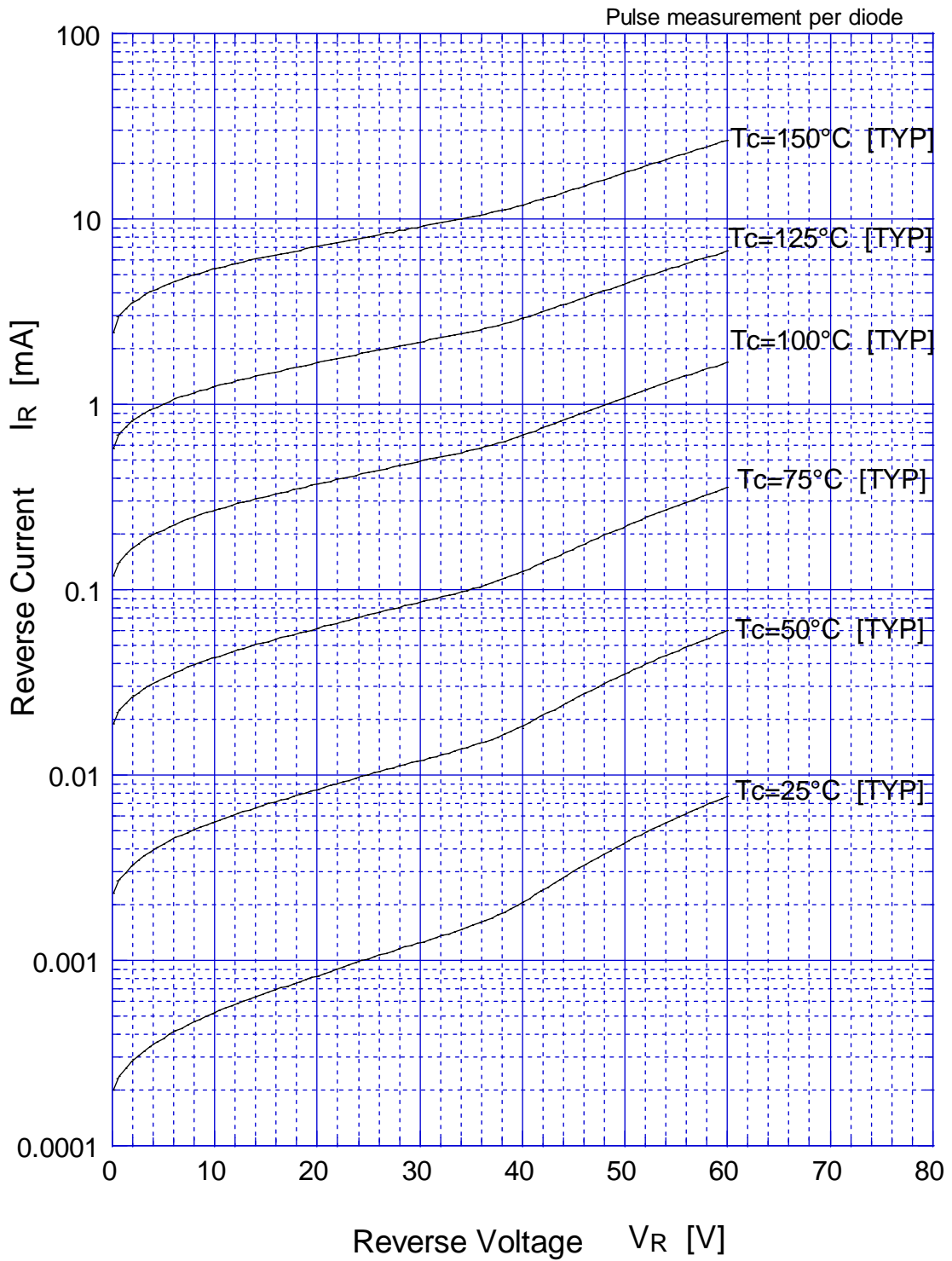
● Electrical Characteristics (Unless otherwise specified, Tc = 25°C)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	VF	IF=7.5A, Pulse measurement, Rating of per diode	Max 0.69	V
Reverse Current	IR	VR=VRM, Pulse measurement, Rating of per diode	Max 0.7	mA
Junction Capacitance	Cj	f=1MHz, VR=10V, Rating of per diode	Typ 270	pF
Thermal Resistance	θ jc	junction to case	Max 2.0	°C/W

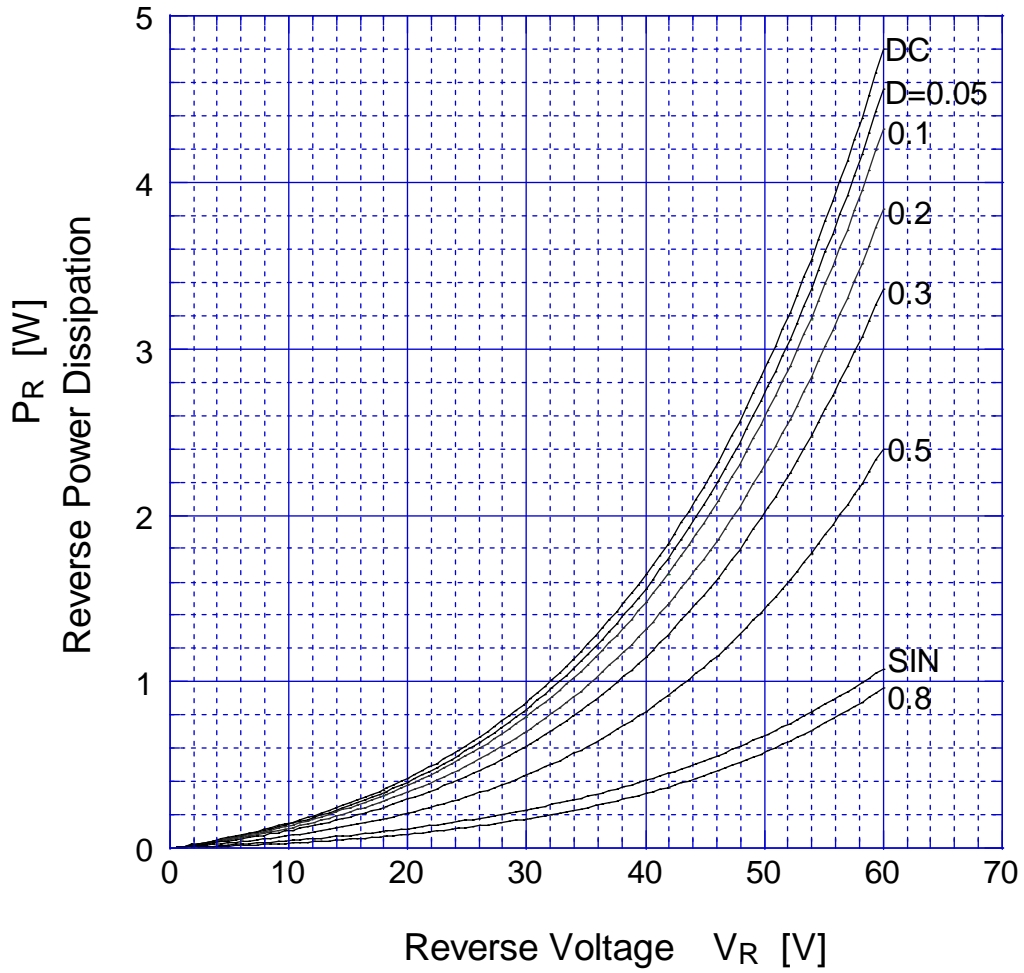
# SF15JC6 Forward Voltage



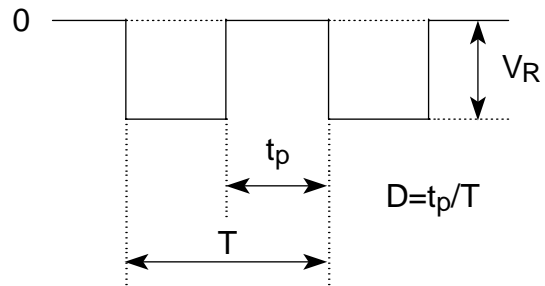
# SF15JC6 Reverse Current



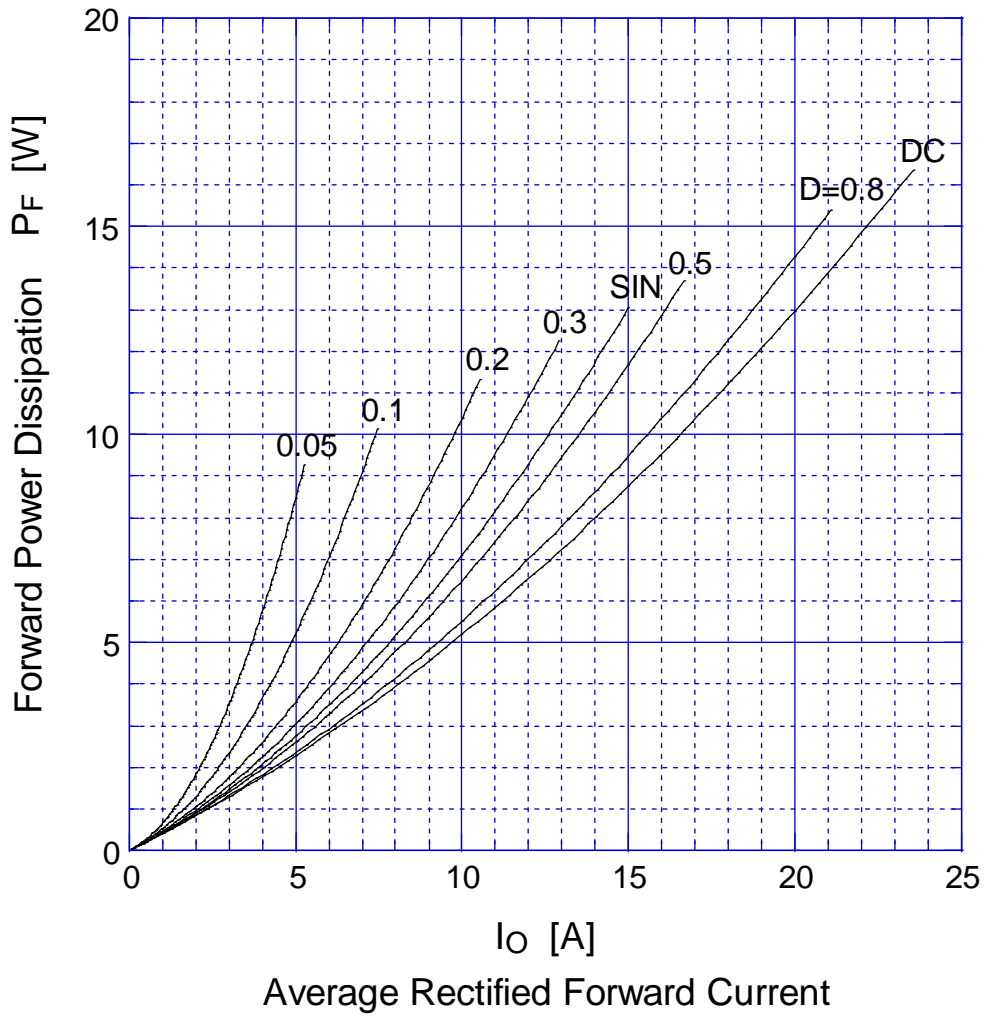
# SF15JC6 Reverse Power Dissipation



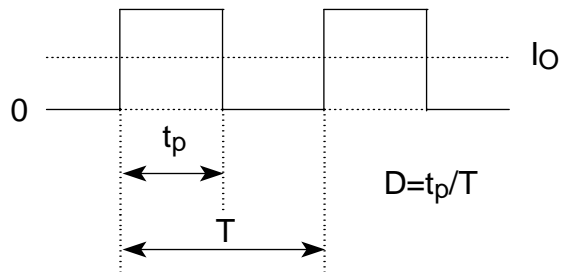
$T_j = 150^\circ\text{C}$



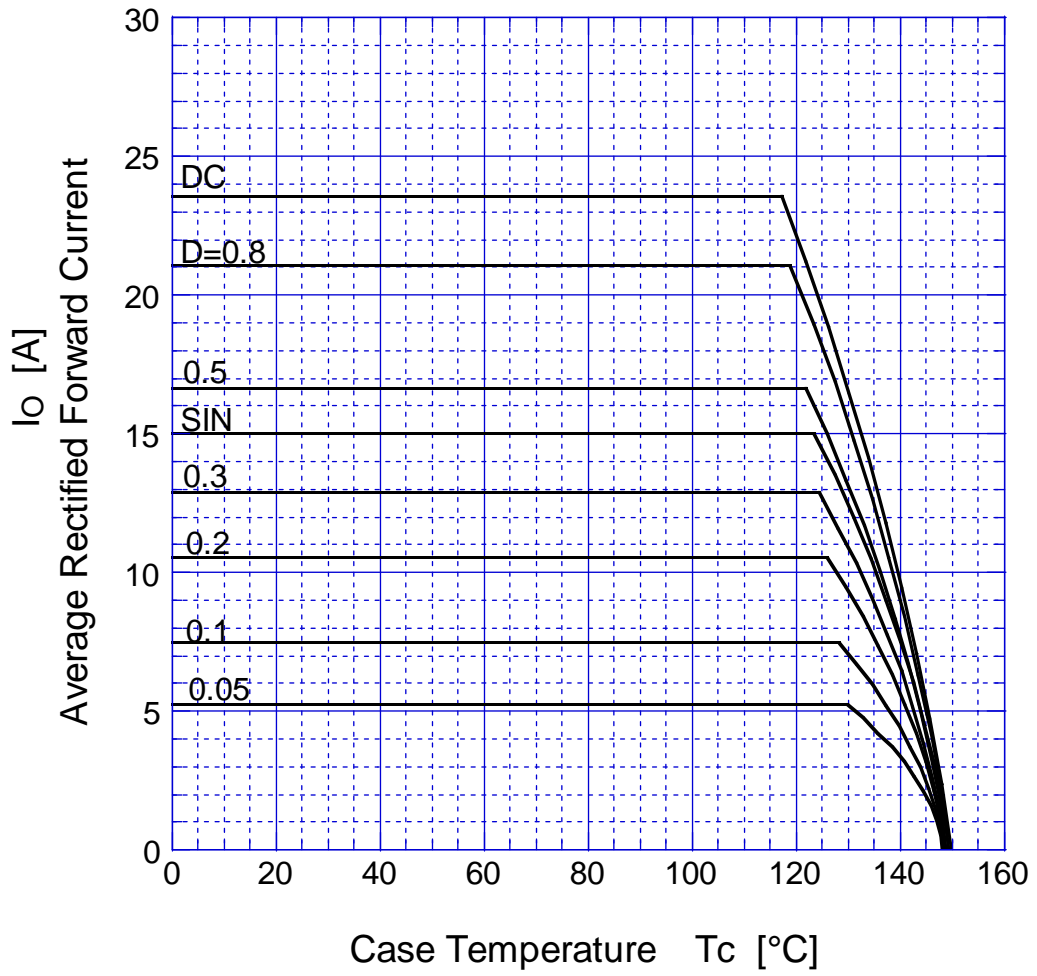
# SF15JC6 Forward Power Dissipation



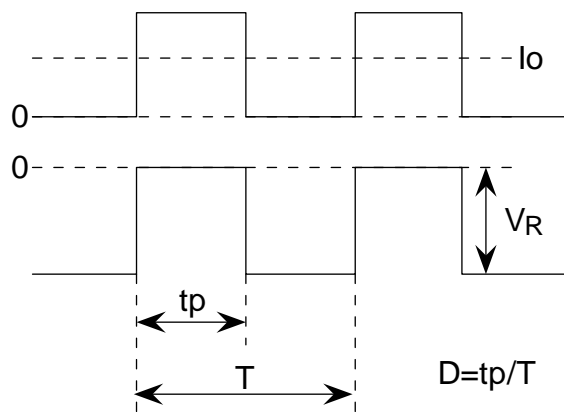
$T_j = 150^\circ\text{C}$



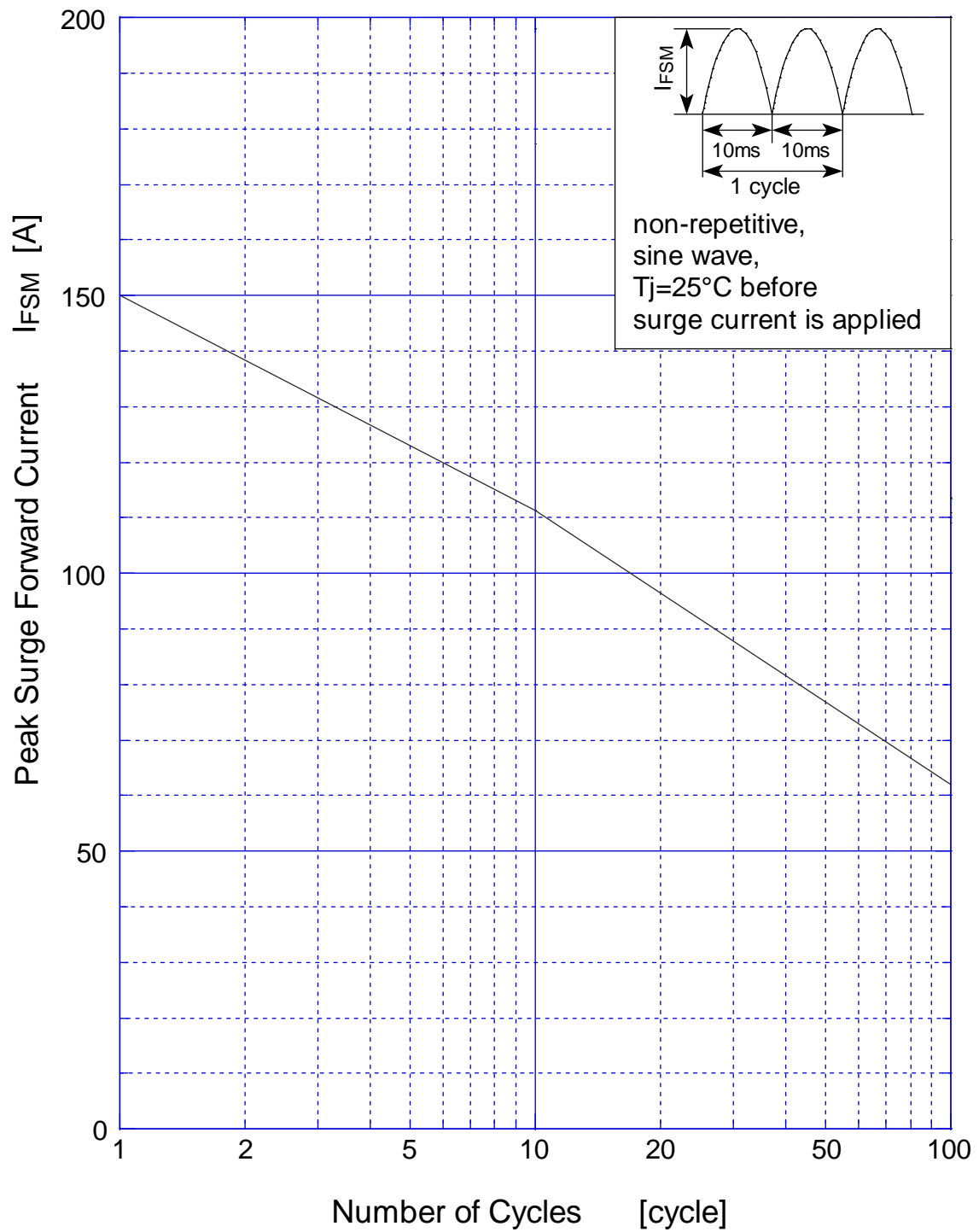
# SF15JC6 Derating Curve



$V_R = 30V$



# SF15JC6 Peak Surge Forward Capability



# SF15JC6 Junction Capacitance

