

SHINDENGEN

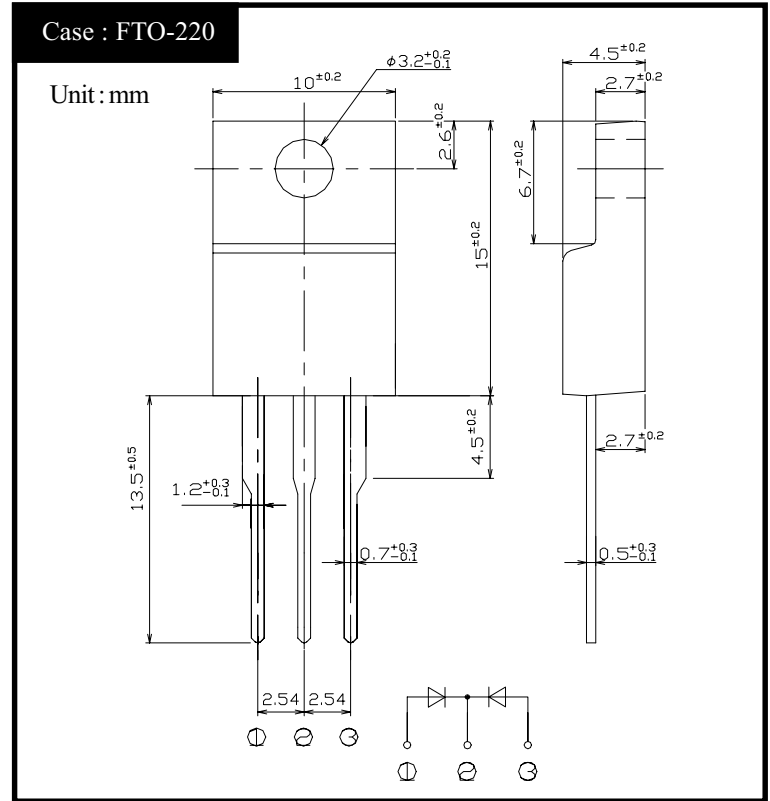
Schottky Rectifiers (SBD)

Dual

SF10JC6

60V 10A

OUTLINE DIMENSIONS



RATINGS

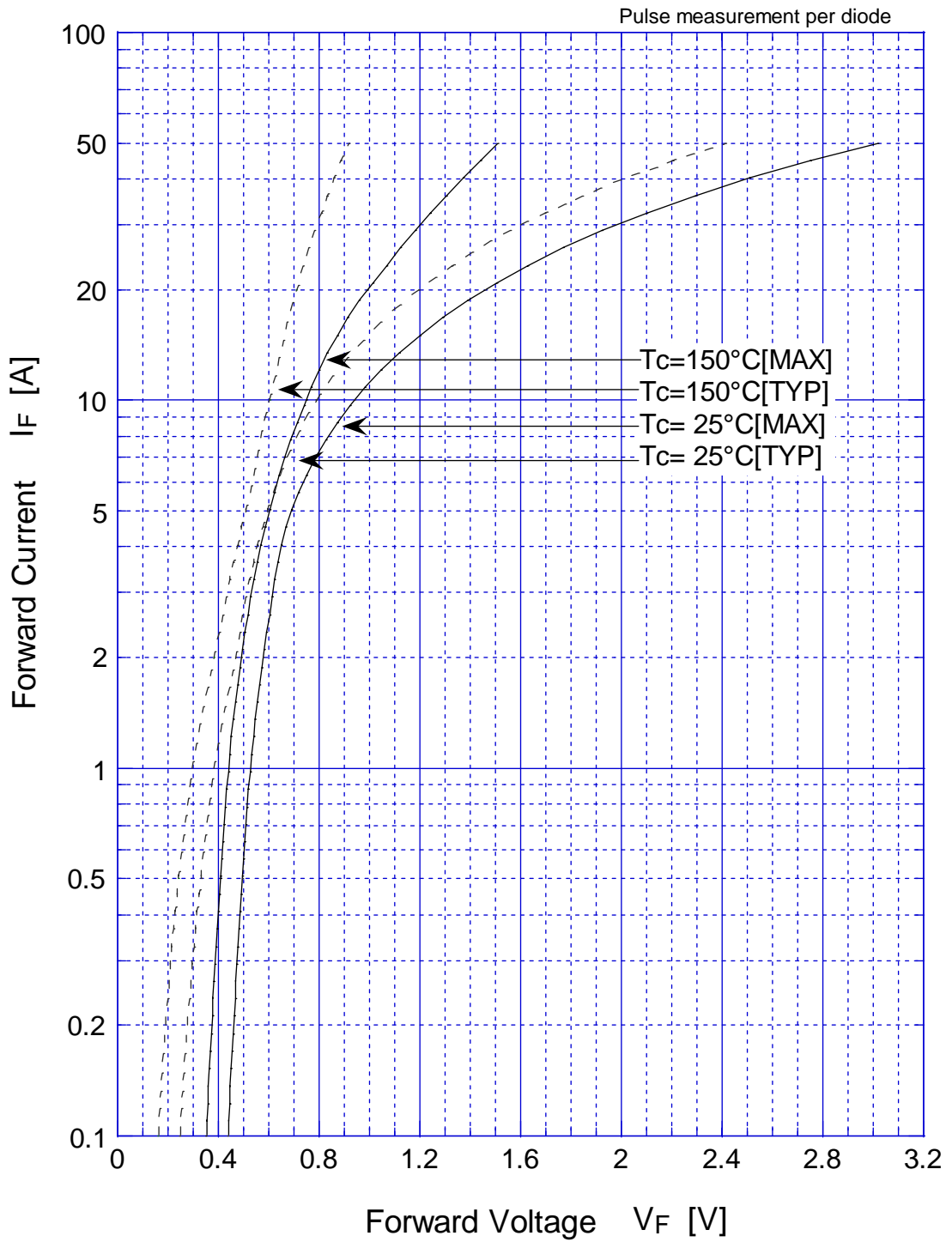
Absolute Maximum Ratings (Tc=25°C unless otherwise specified)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-55 to 150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	V _{RM}		60	V
Average Rectified Forward Current	I _O	50Hz sine wave, R-load, Rating for each diode I _O /2, T _c = 129°C	10	A
Peak Surge Forward Current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, T _j = 25°C	100	A
Dielectric Strength	V _{dis}	Terminals to case, AC 1 minute	2.0	kV
Mounting Torque	TOR	(Recommended torque: 0.3N·m)	0.5	N·m

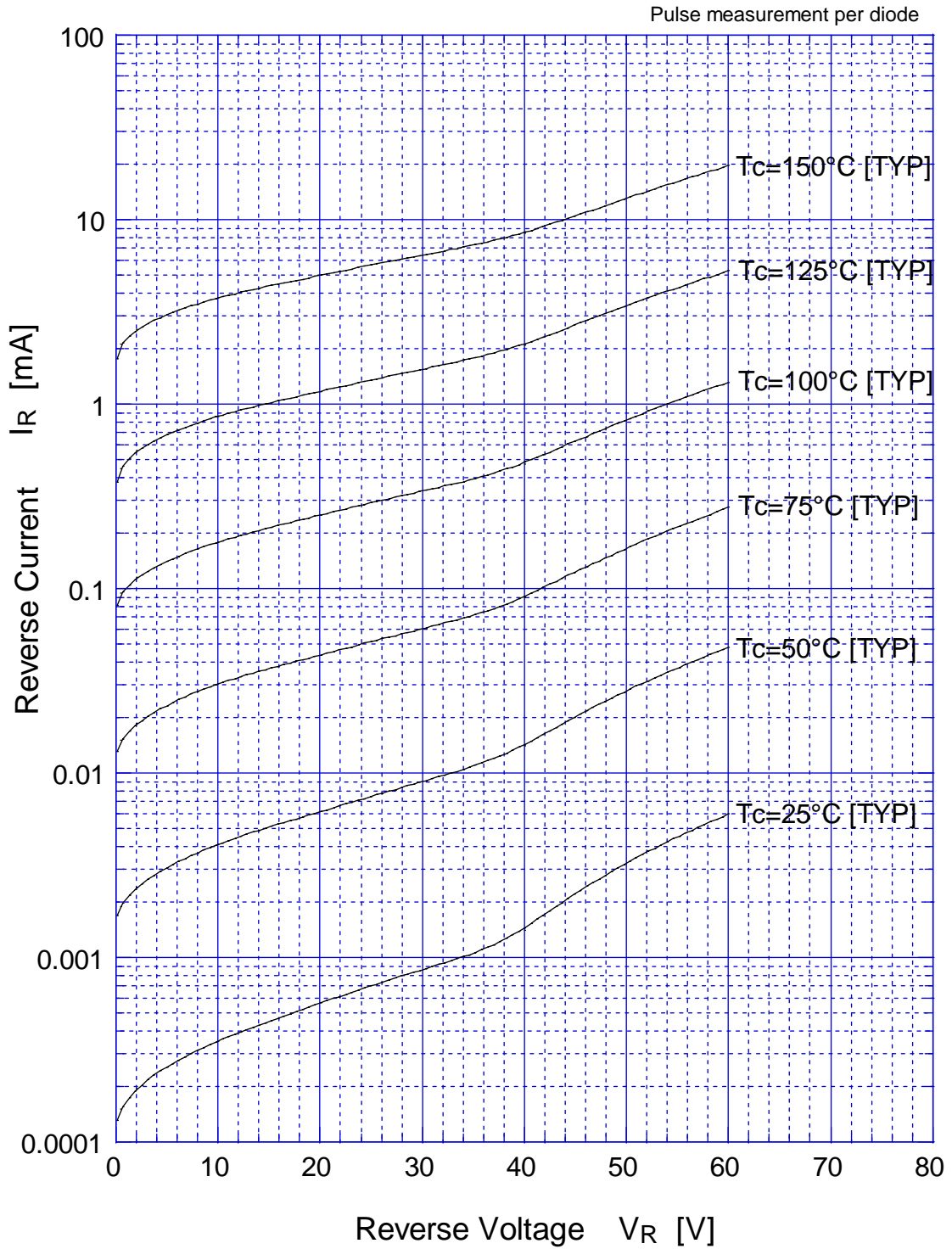
Electrical Characteristics (Tc=25°C unless otherwise specified)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V _F	I _F = 5A, Pulse measurement, Rating of per diode	Max 0.69	V
Reverse Current	I _R	V _R = V _{RM} , Pulse measurement, Rating of per diode	Max 0.7	mA
Junction Capacitance	C _j	f = 1MHz, V _R = 10V, Rating of per diode	Typ 200	pF
Thermal Resistance	θ _{jc}	junction to case	Max 2.3	°C/W

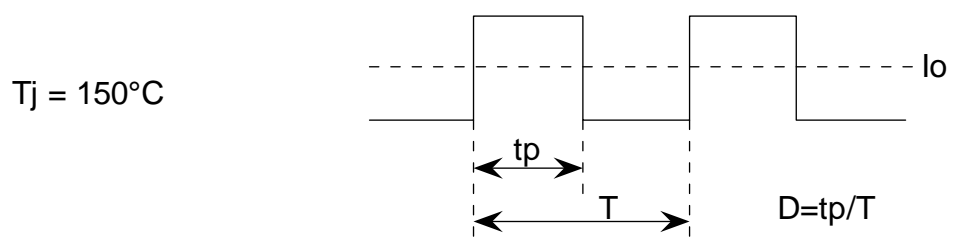
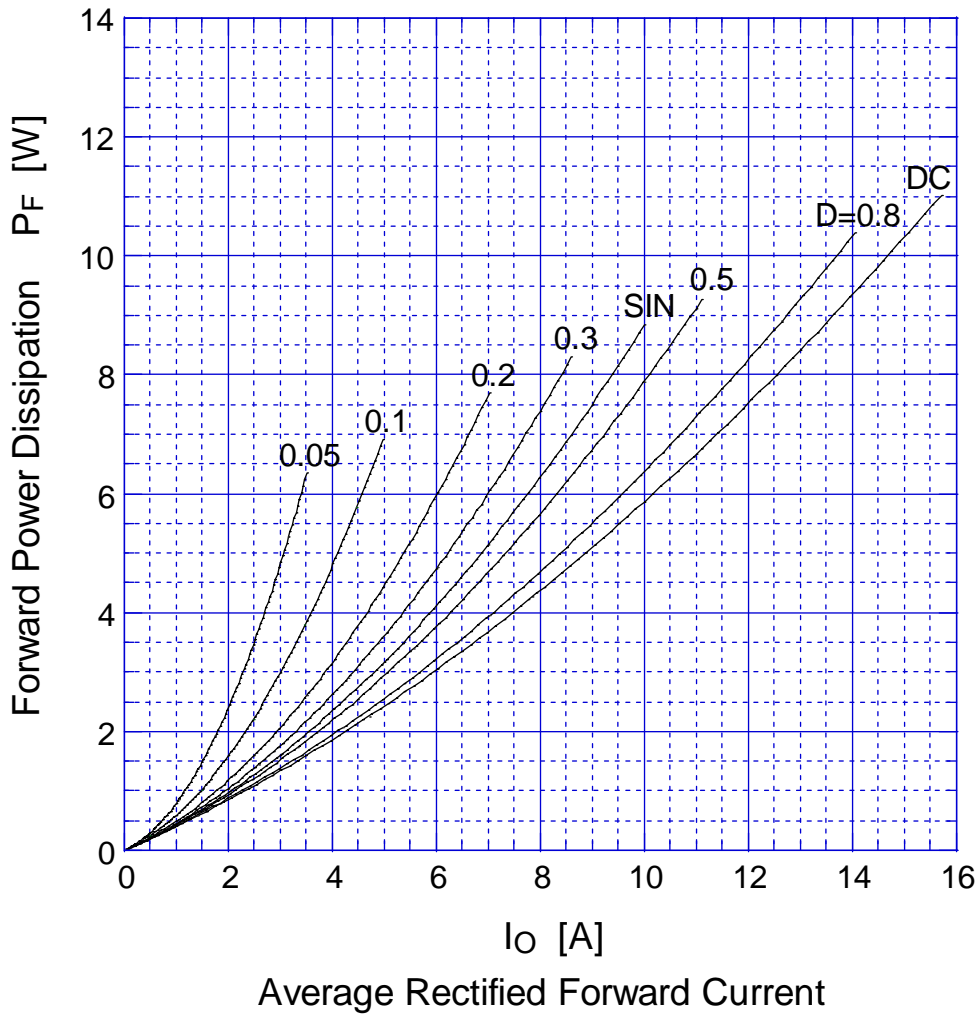
SF10JC6 Forward Voltage



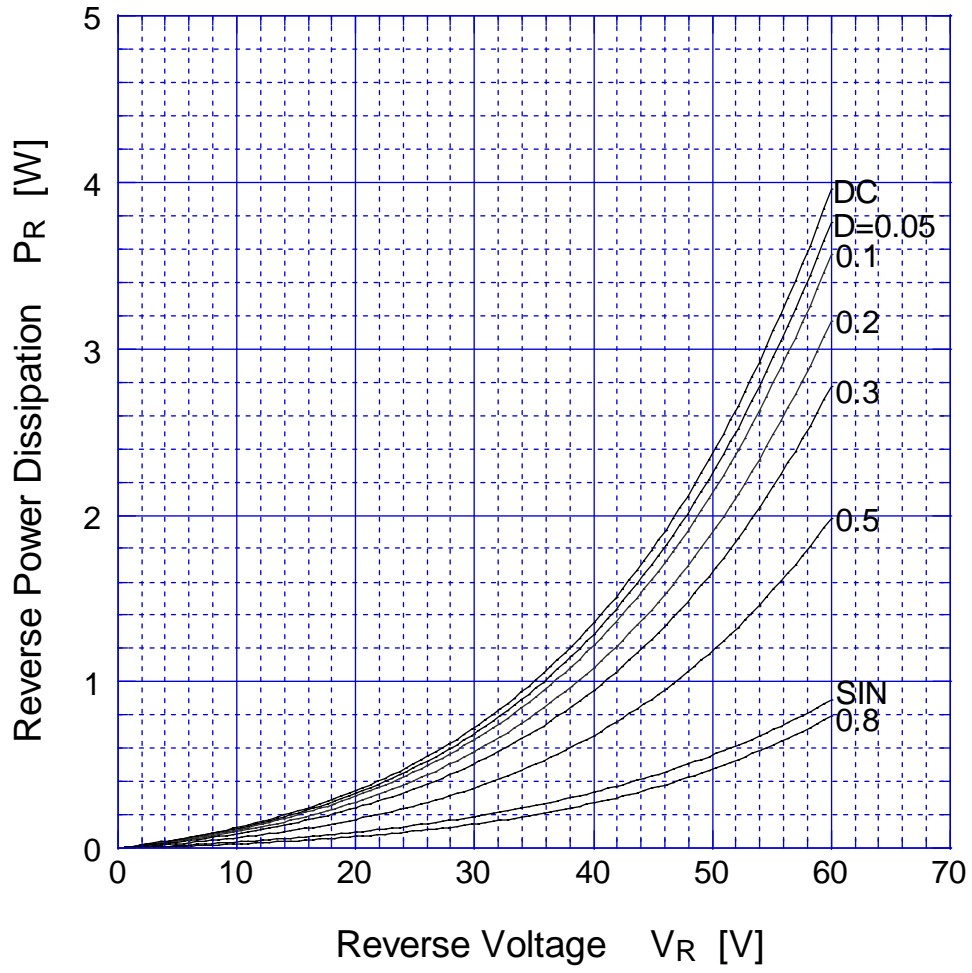
SF10JC6 Reverse Current



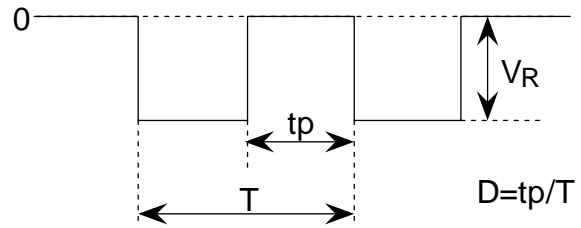
SF10JC6 Forward Power Dissipation



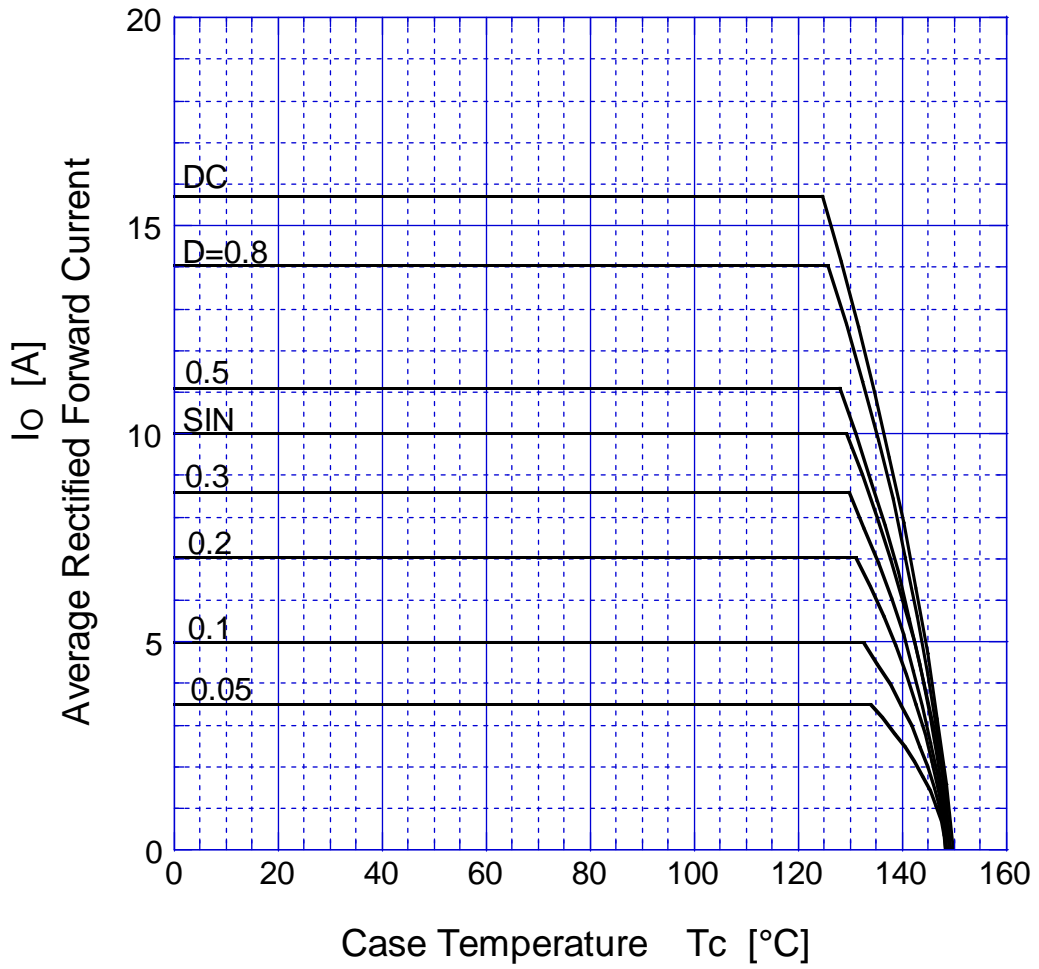
SF10JC6 Reverse Power Dissipation



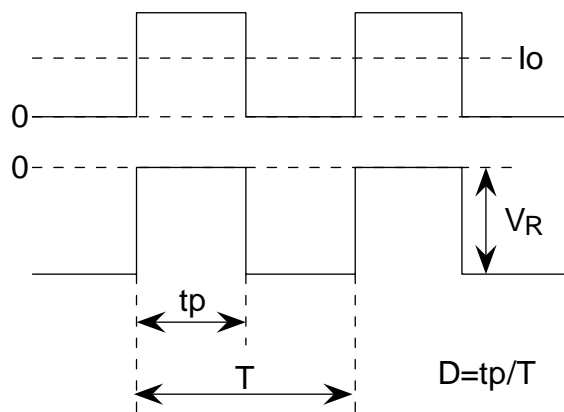
$T_j = 150^\circ\text{C}$



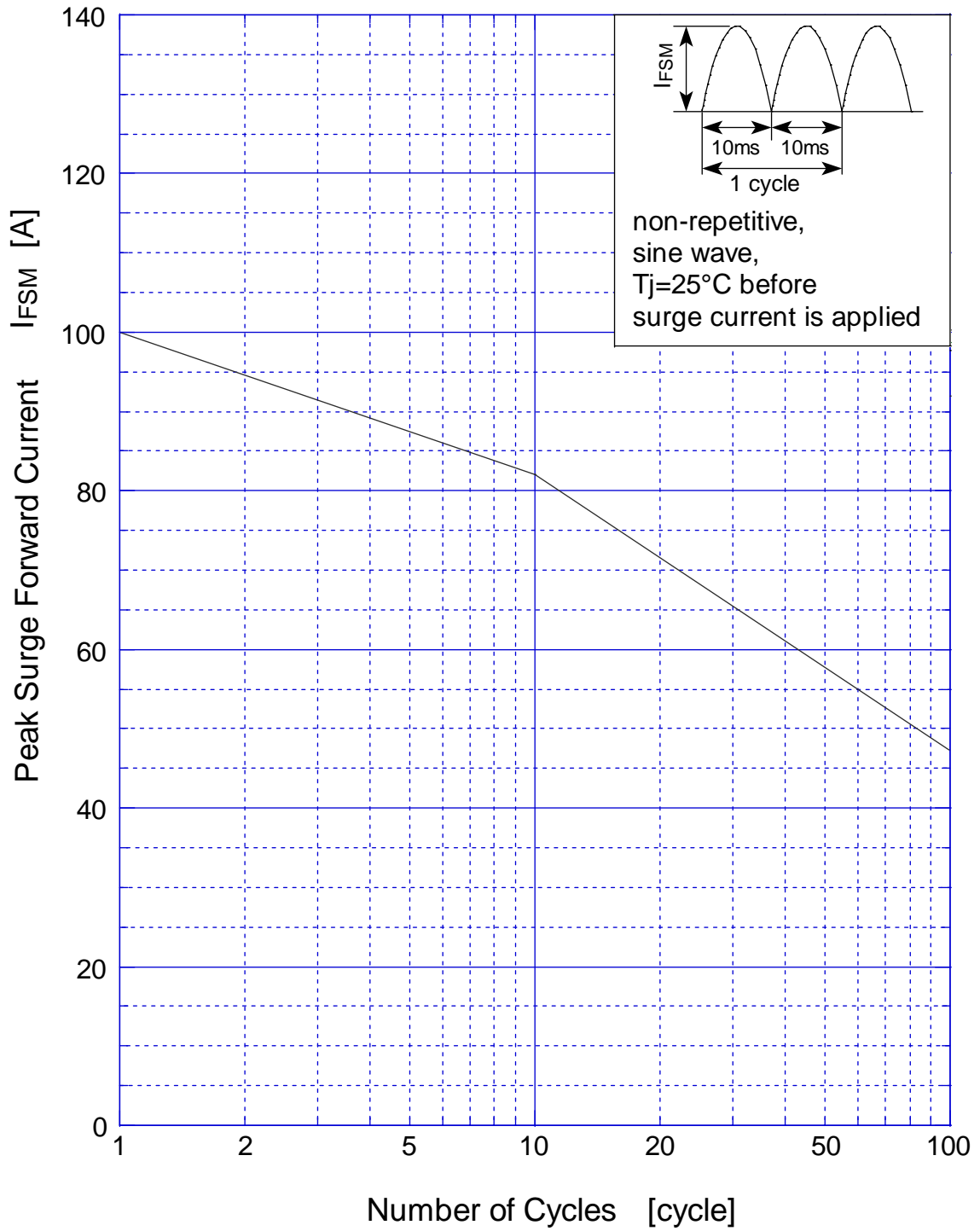
SF10JC6 Derating Curve



$V_R = 30V$



SF10JC6 Peak Surge Forward Capability



SF10JC6 Junction Capacitance

