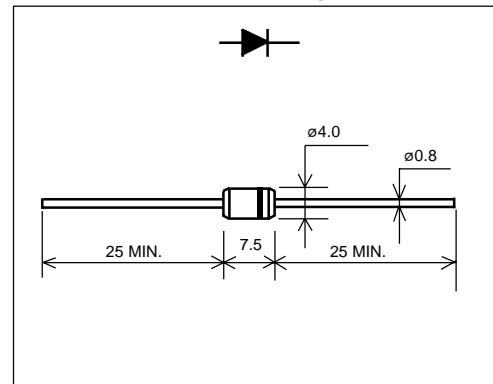


SCHOTTKY BARRIER DIODE

■ Outline drawings, mm



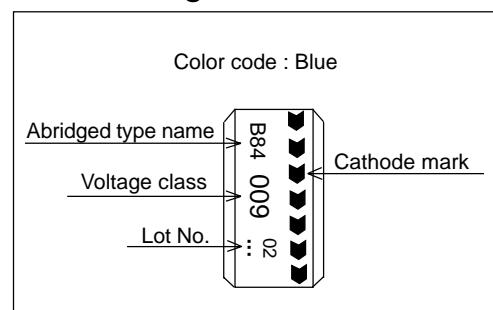
■ Features

- Low VF
- Super high speed switching
- High reliability by planer design

■ Applications

- High speed switching

■ Marking



■ Maximum ratings and characteristics

- Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}		90	V
Average forward current	$I_{F(AV)}$	Square wave, duty=1/2 $T_a=25^\circ C$	2.0*	A
Surge current	I_{FSM}	Sine wave 10ms	60	A
Operating junction temperature	T_j		-40 to +150	°C
Storage temperature	T_{stg}		-40 to +150	°C

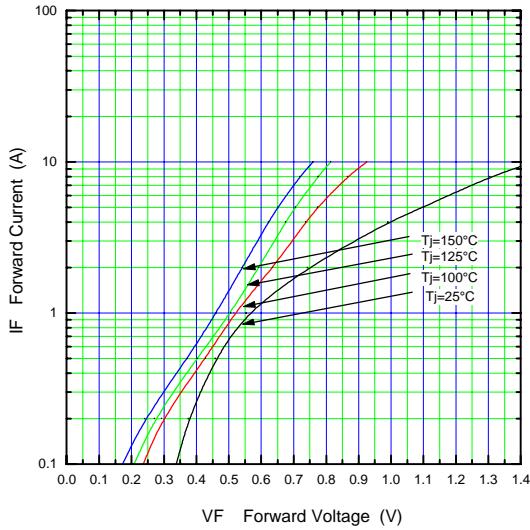
* With cooling Cu fin both lead (1t x 20 x 20mm)

- Electrical characteristics ($T_a=25^\circ C$ Unless otherwise specified)

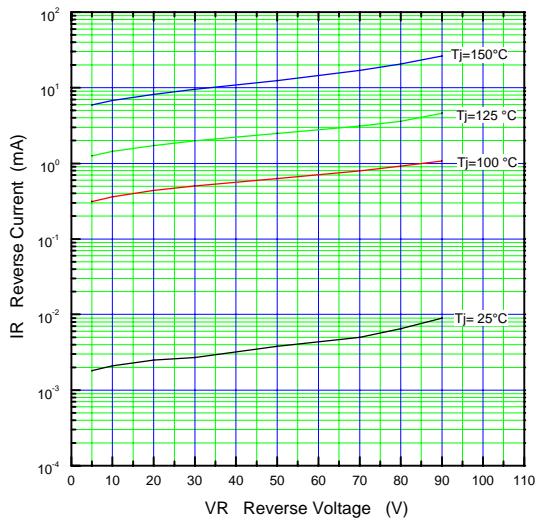
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_{FM}	$I_{FM}=2.0A$	0.9	V
Reverse current	I_{RRM}	$V_R=V_{RRM}$	2.0	mA

■ Characteristics

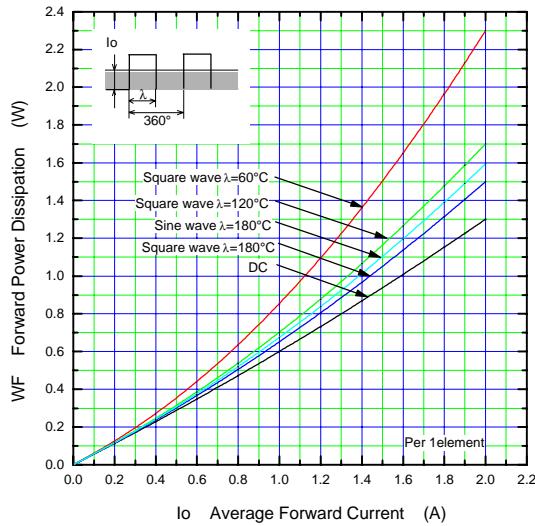
Forward Characteristic (typ.)



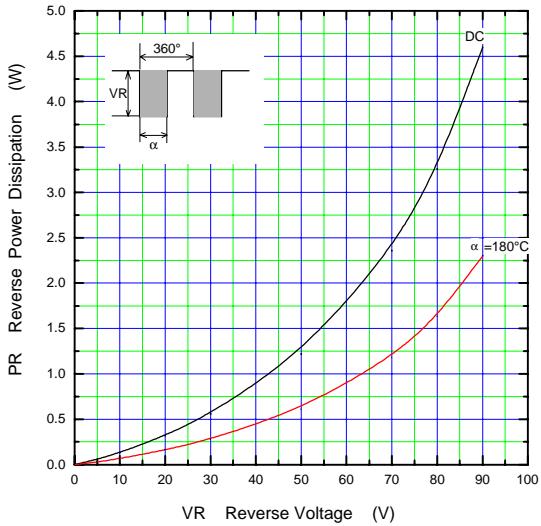
Reverse Characteristic (typ.)



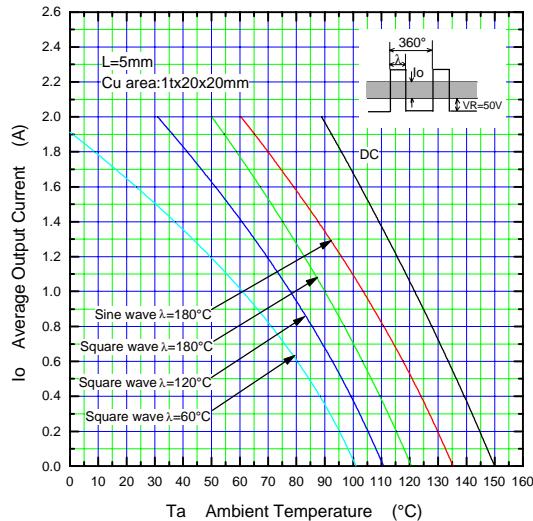
Forward Power Dissipation



Reverse Power Dissipation



Current Derating (Io-Ta)



Current Derating (Io-Ta)

